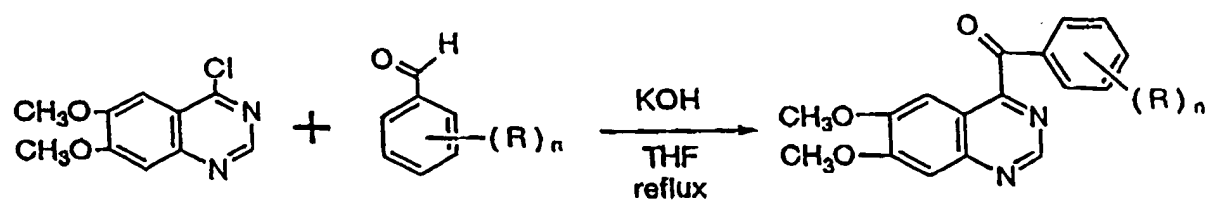
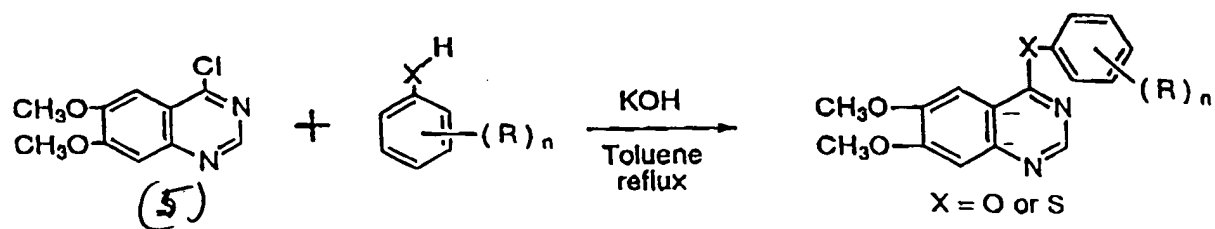
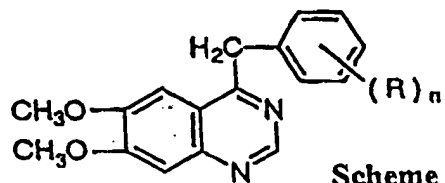


Figure 1

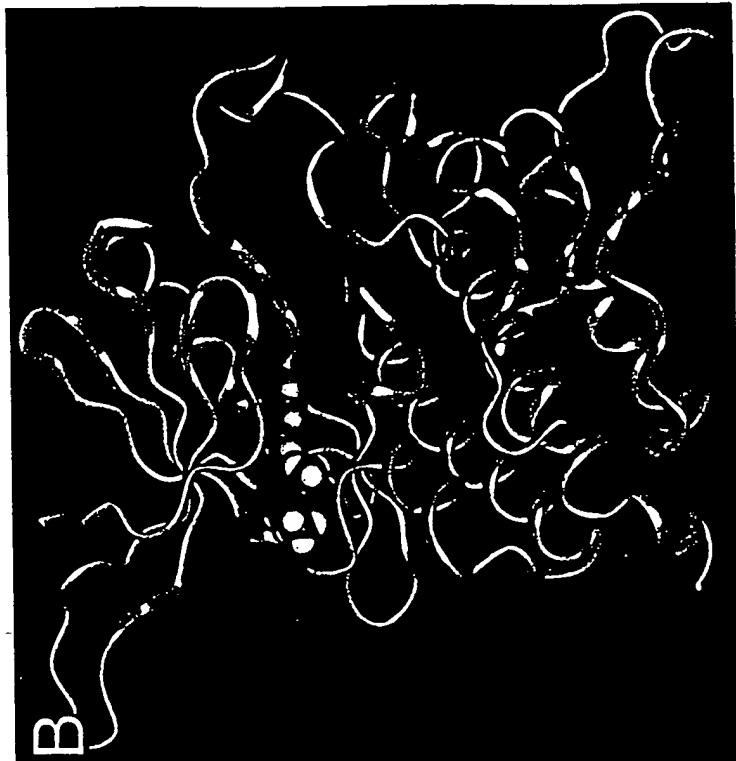
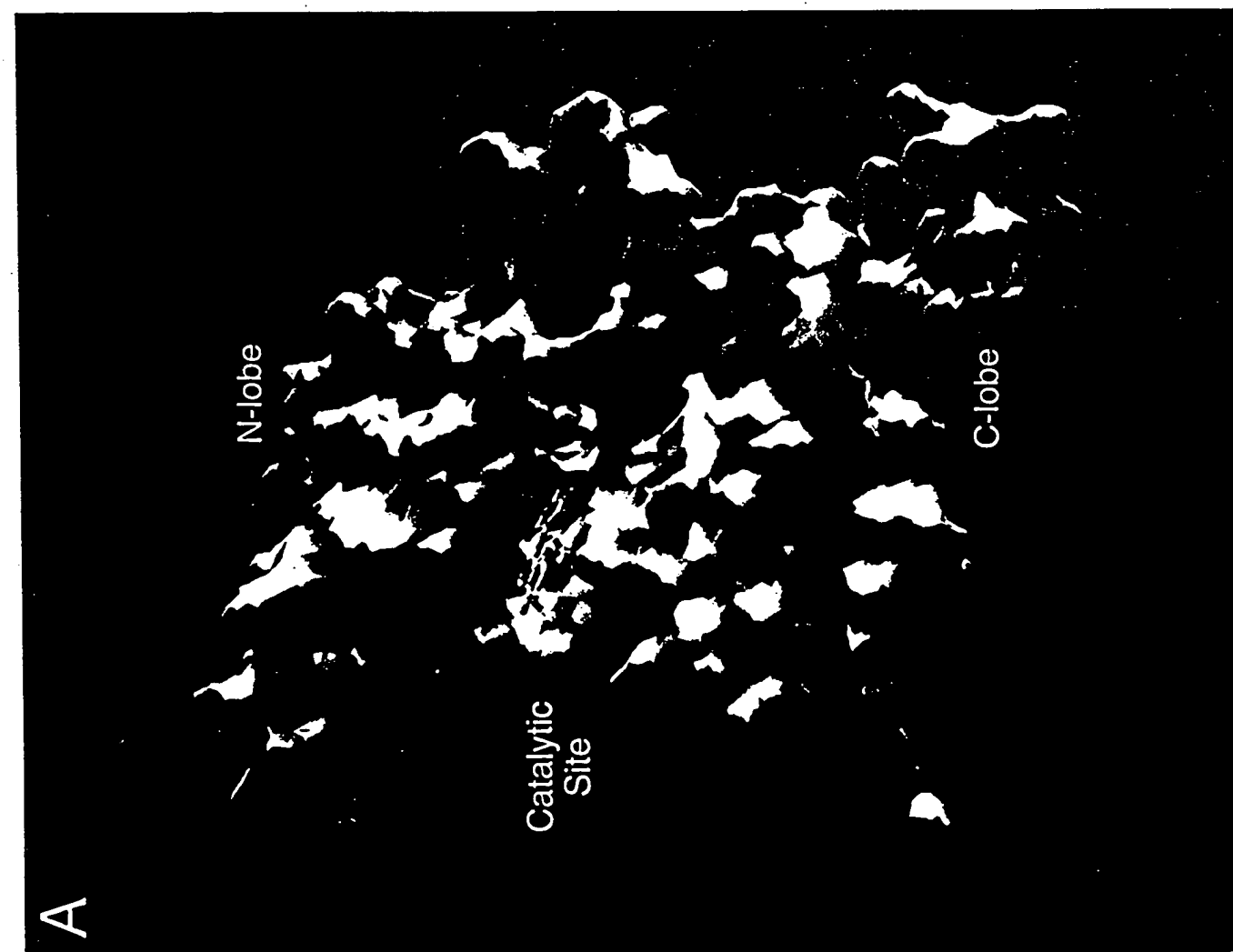


1. $C_7H_7SO_2NHNH_2$
 2. $NaBH_4$
 25



Scheme 3

Fig 1



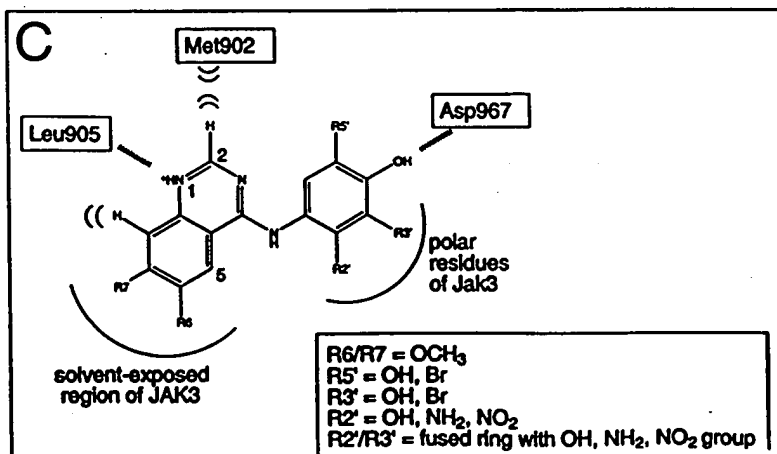
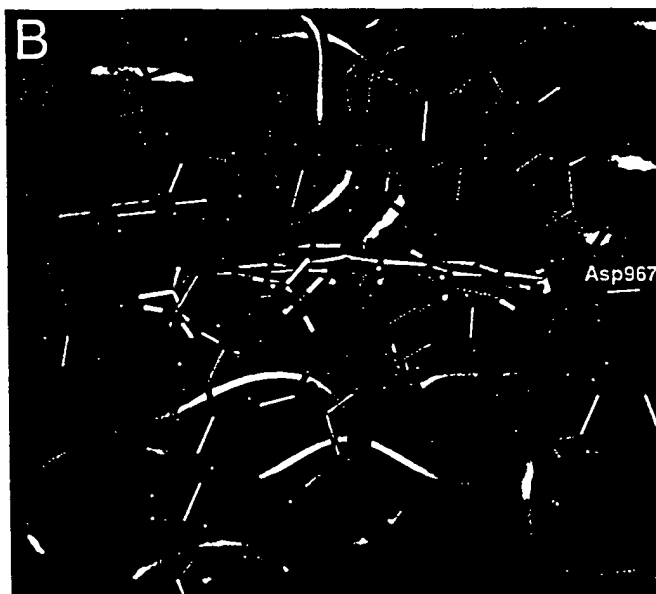
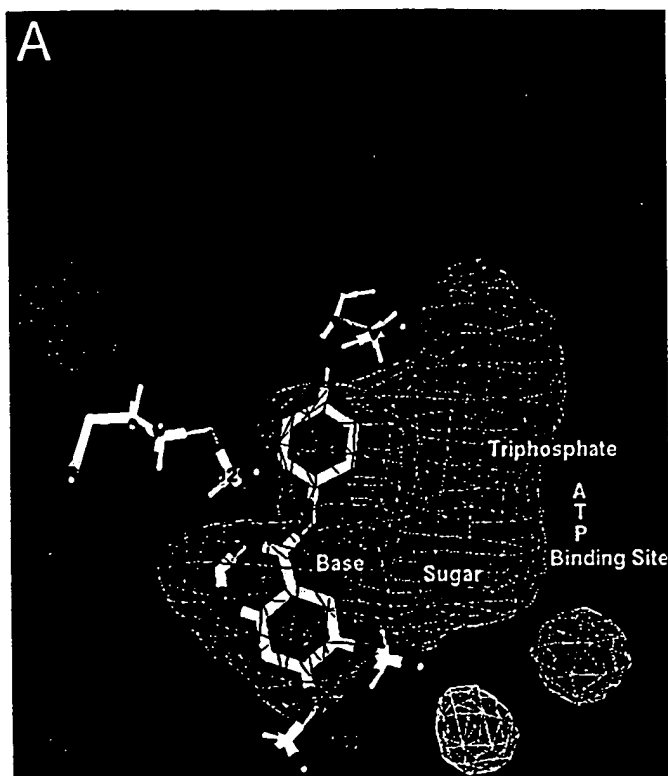
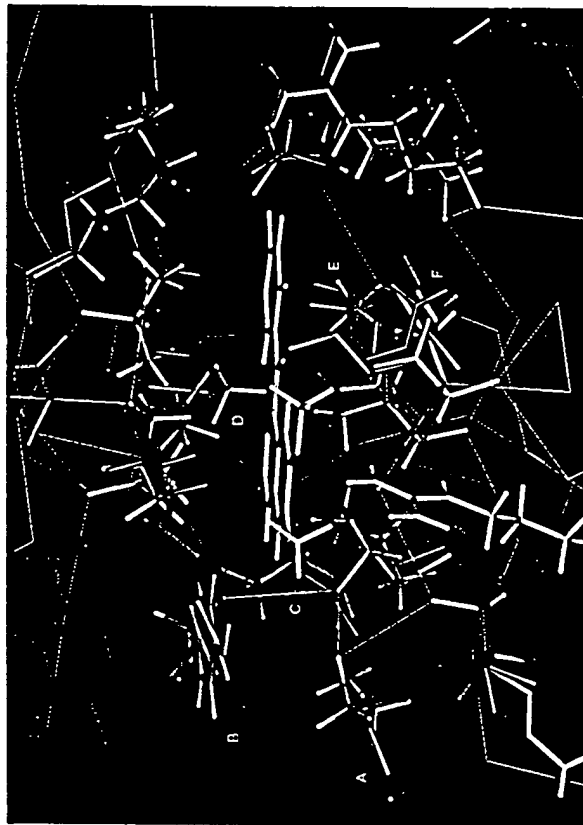


Figure 4

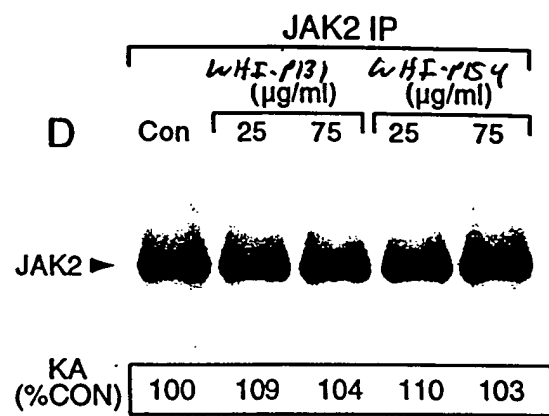
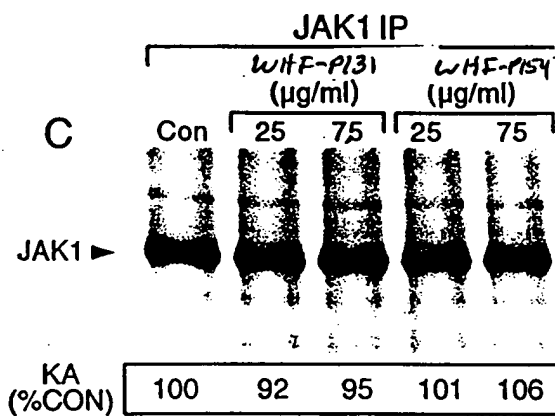
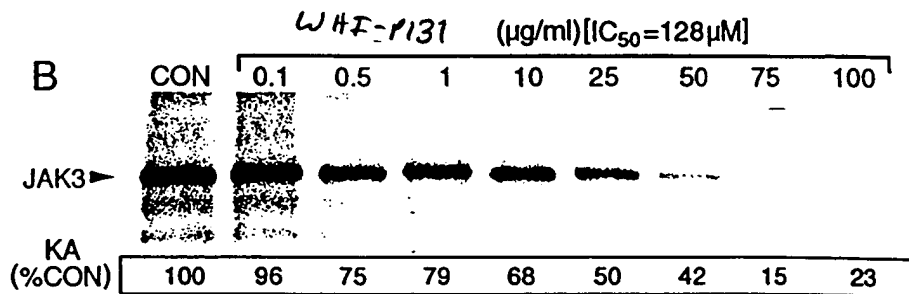
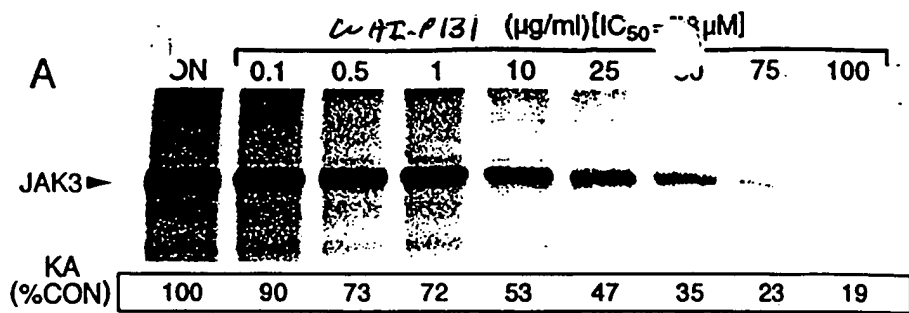


A

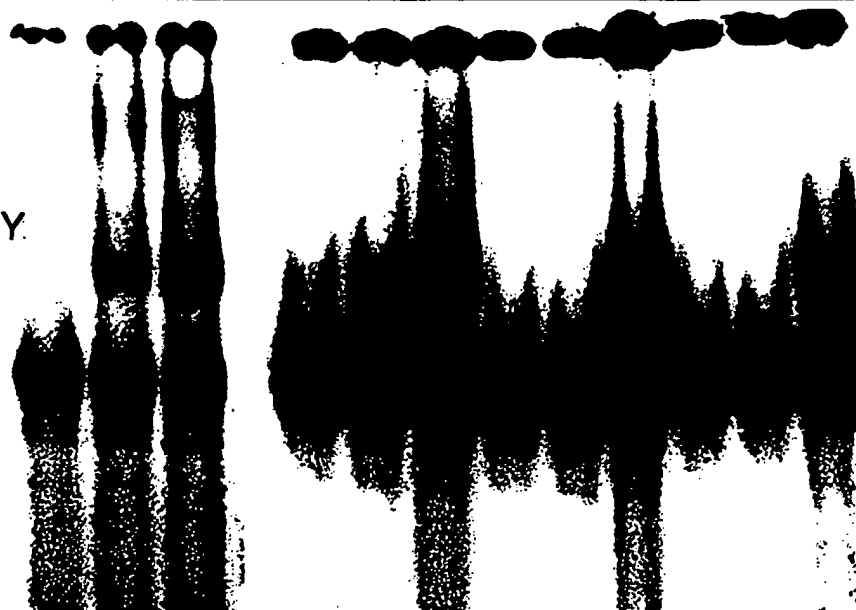
B

| Protein Tyrosine Kinase | Residue at Region A | Residue at Region B | Residue at Region C | Residue at Region D | Residue at Region E | Residue at Region F |
|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| JAK3 | Pro906 | Tyr904 | Leu905 | Met902 | Ala966 | Asp912 |
| JAK2 | Pro933 | Tyr931 | Leu932 | Met929 | Gly993 | Asp939 |
| JAK1 | Pro948 | Phe946 | Leu947 | Met944 | Gly1008 | Glu954 |
| BTk | Ala478 | Tyr476 | Met477 | Thr474 | Ser538 | Asn484 |
| SYK | Glu342 | Met340 | Ala341 | Met338 | Ser403 | Lys348 |
| HCK | Ala342 | Phe340 | Met341 | Ala342 | Ala403 | Asp348 |
| LYN | Ala323 | Tyr321 | Met322 | Ala323 | Ala384 | Asp329 |
| IRK | Ala1080 | Leu1078 | Met1079 | Met1076 | Gly1149 | Ser1086 |

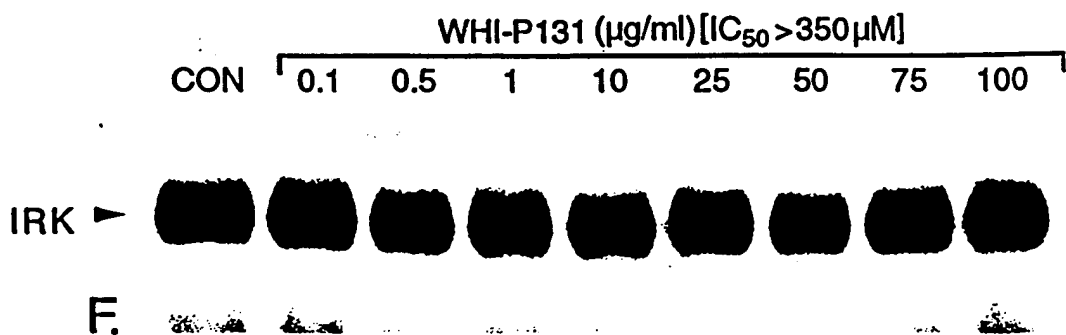
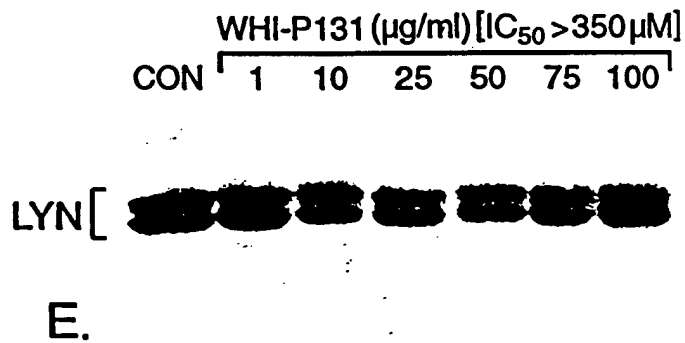
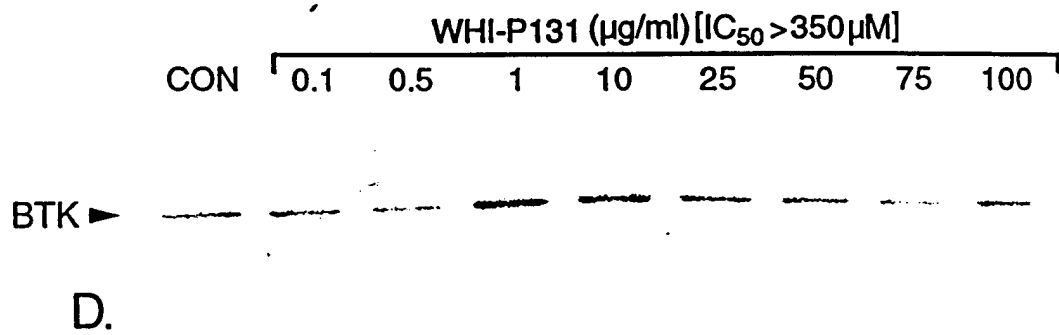
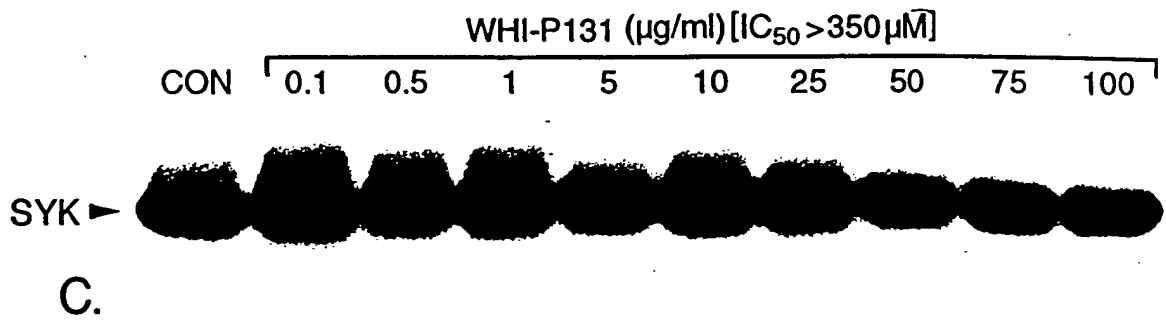
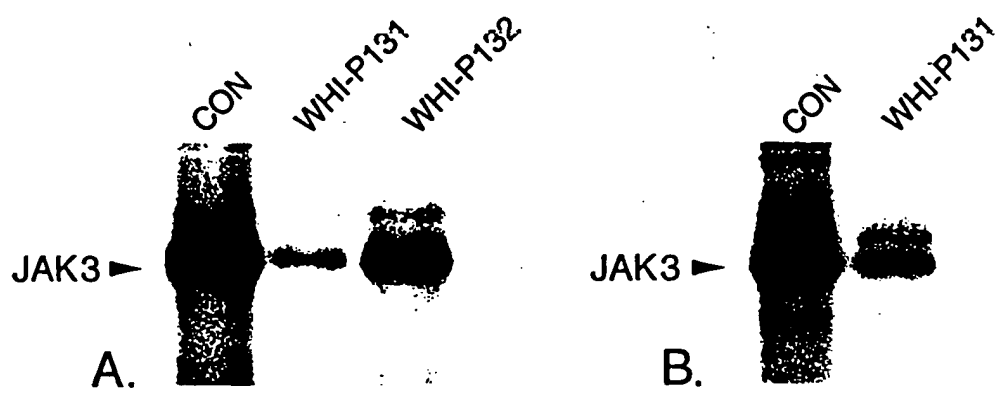
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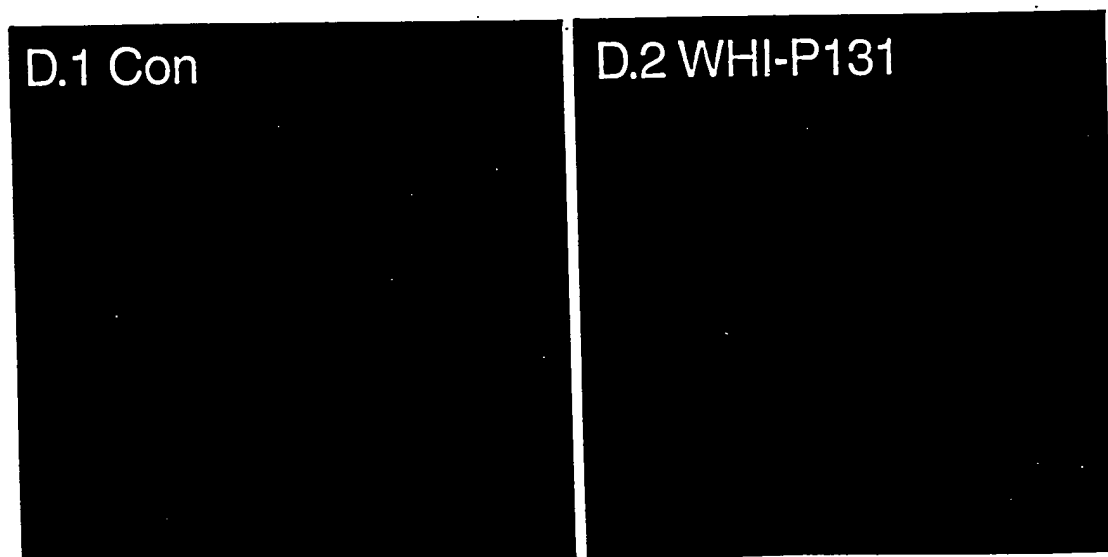
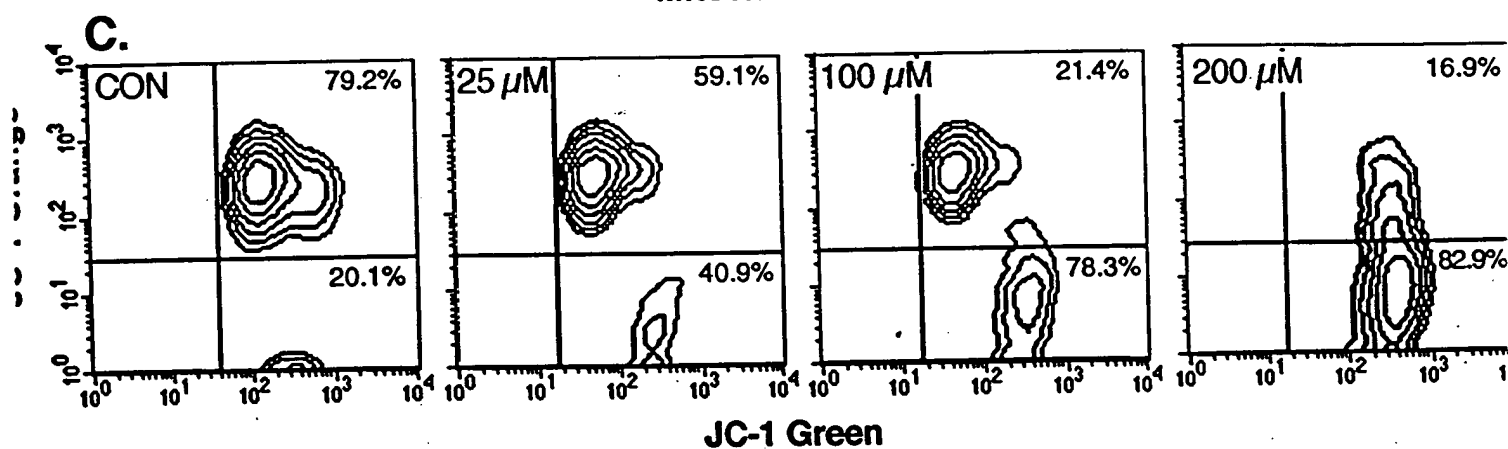
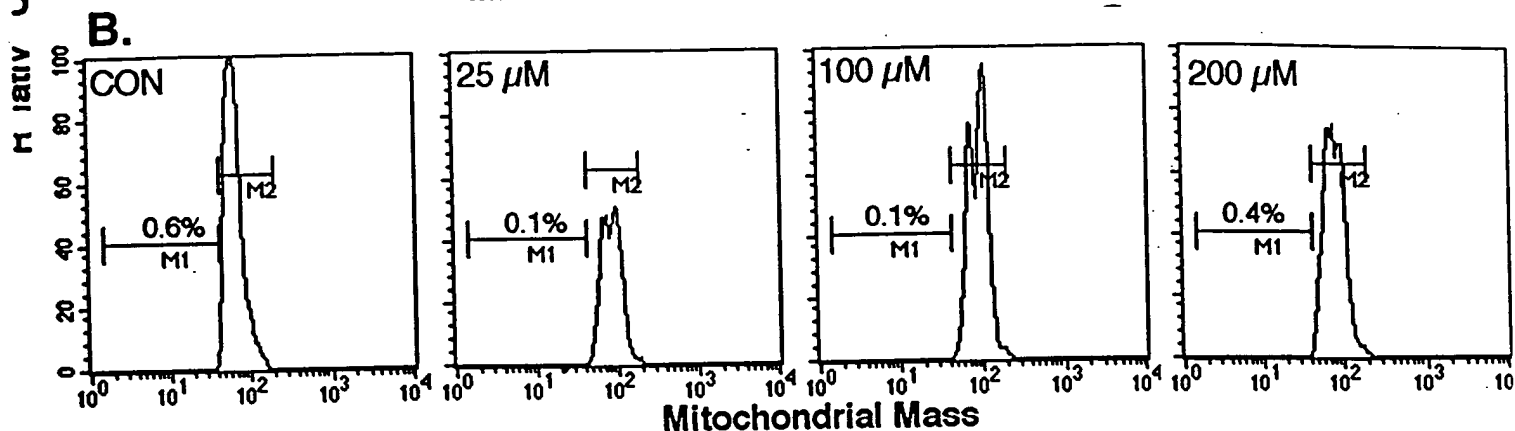
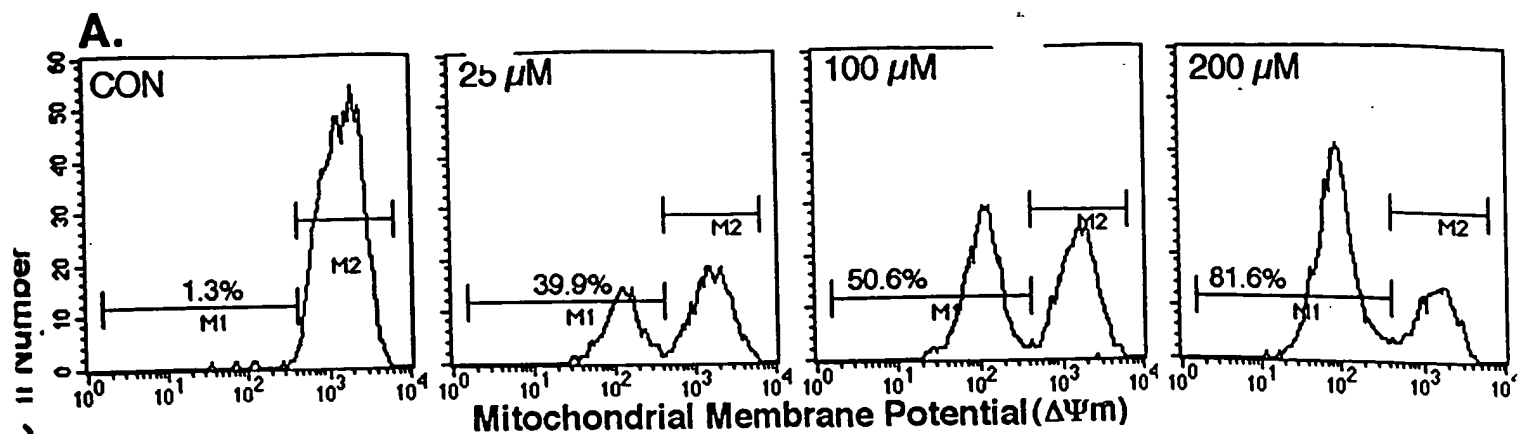


| | | | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|
| WHT-P132 | - | - | - | + | + | + | - | - | - | - | - | - |
| WHT-P131 | - | - | - | - | - | - | + | + | + | - | - | - |
| WHT-P154 | - | - | - | - | - | - | - | - | - | + | + | + |
| IL-2 | - | + | - | - | + | - | - | + | - | - | + | - |
| IL-3 | - | - | + | - | - | + | - | - | + | - | - | + |
| Lane | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

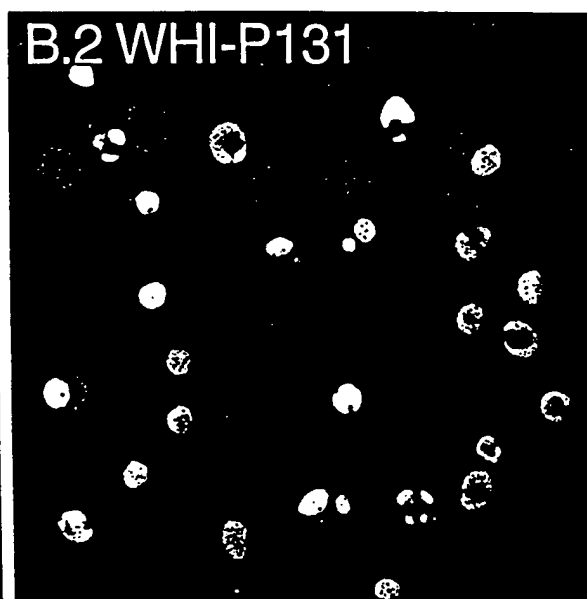
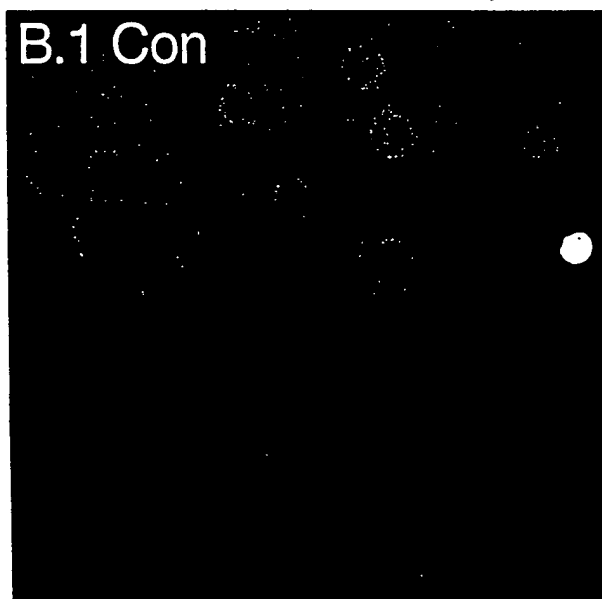
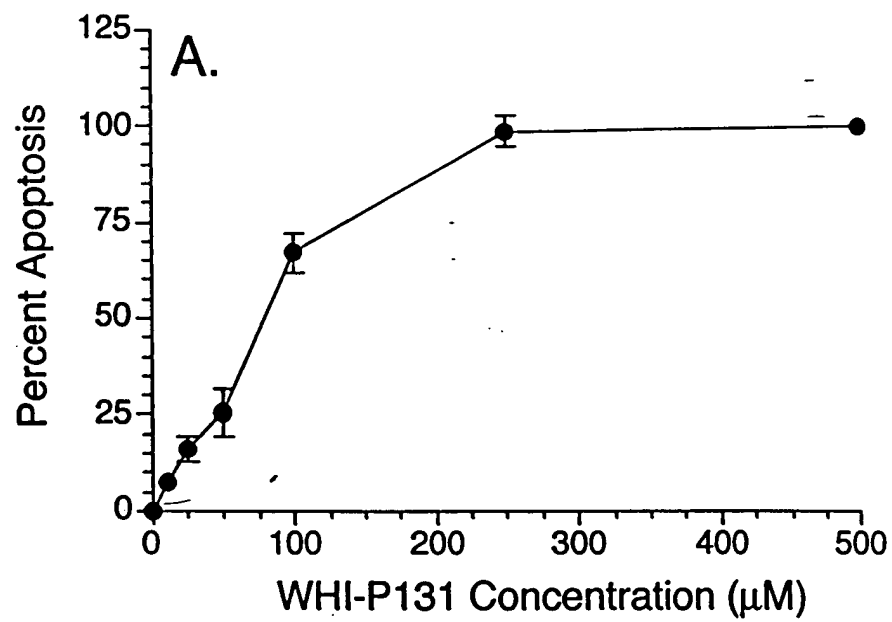


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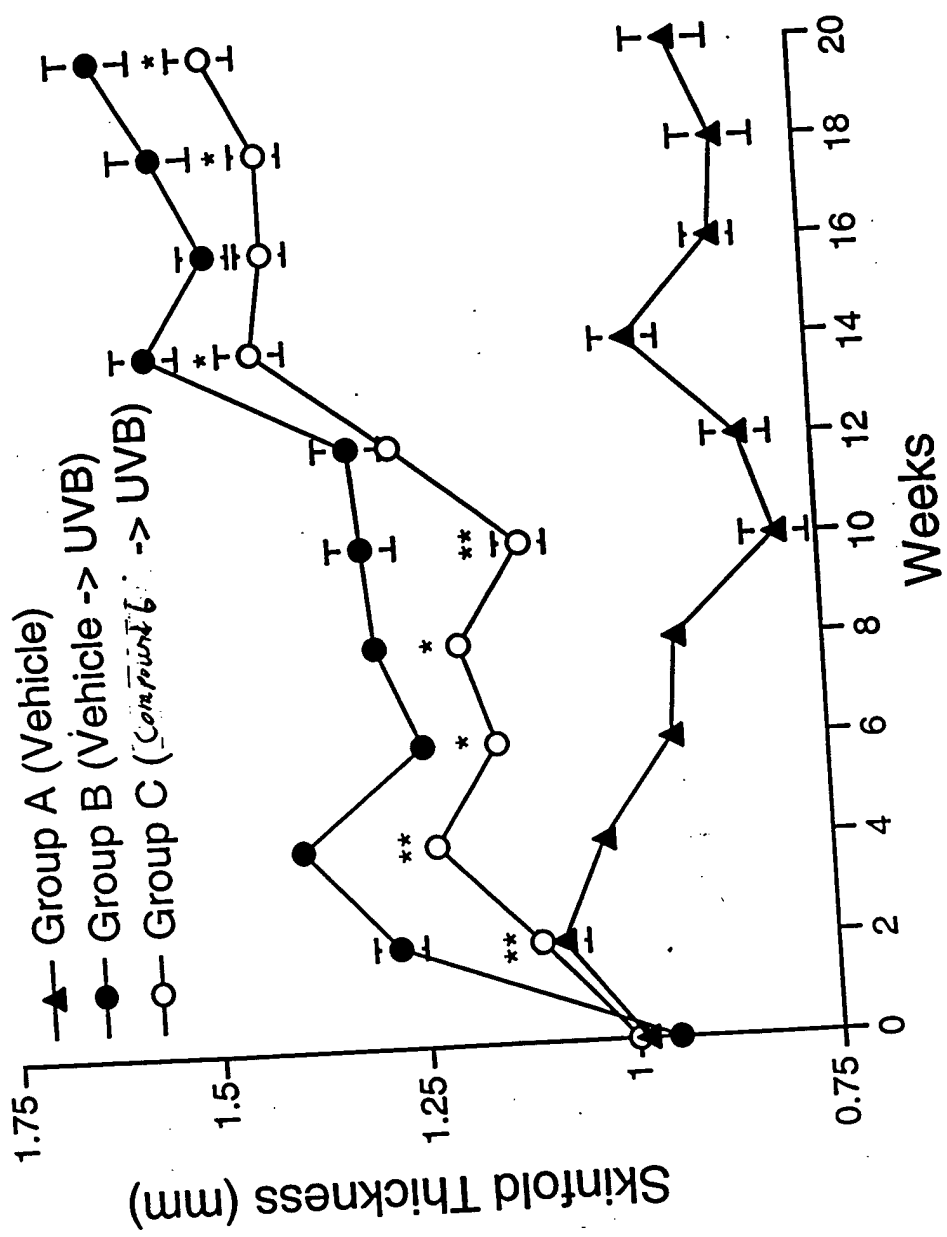


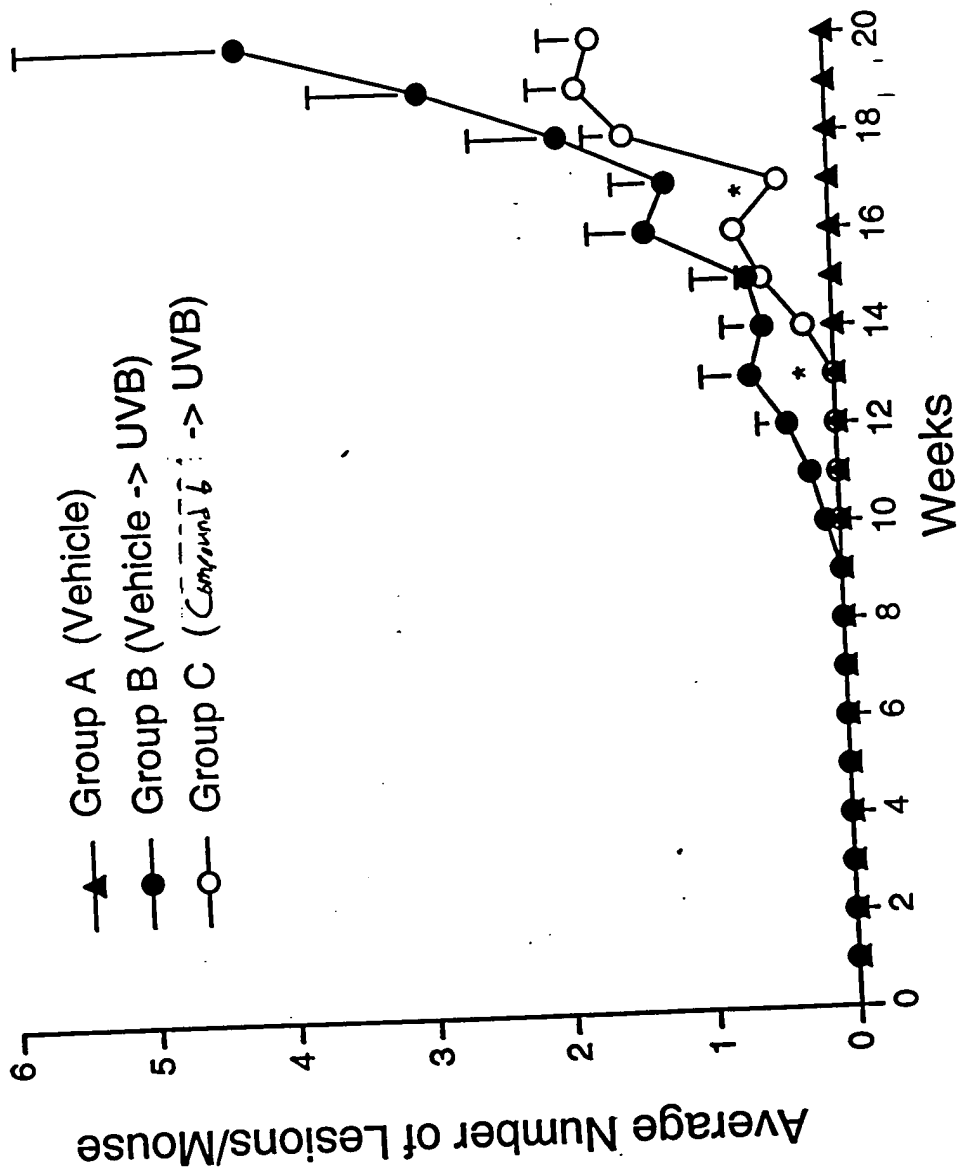


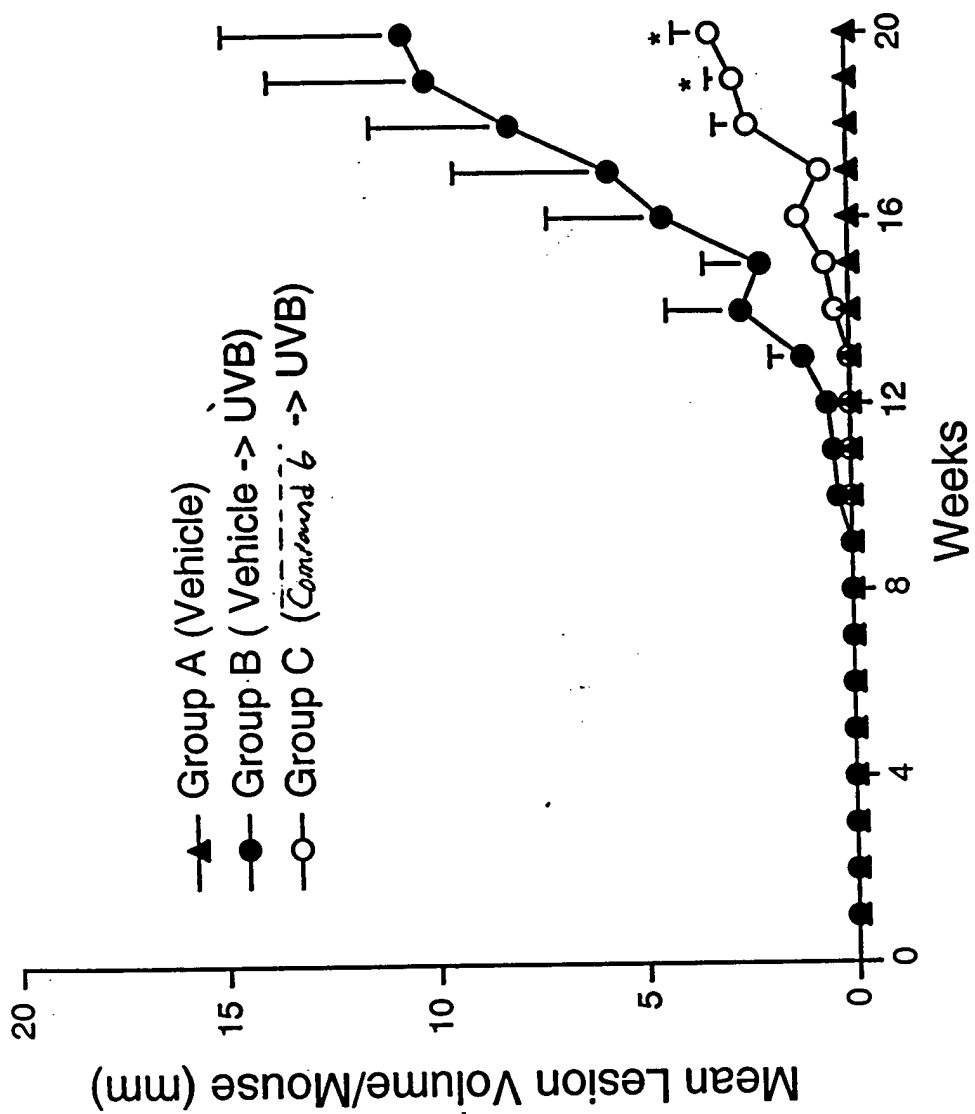
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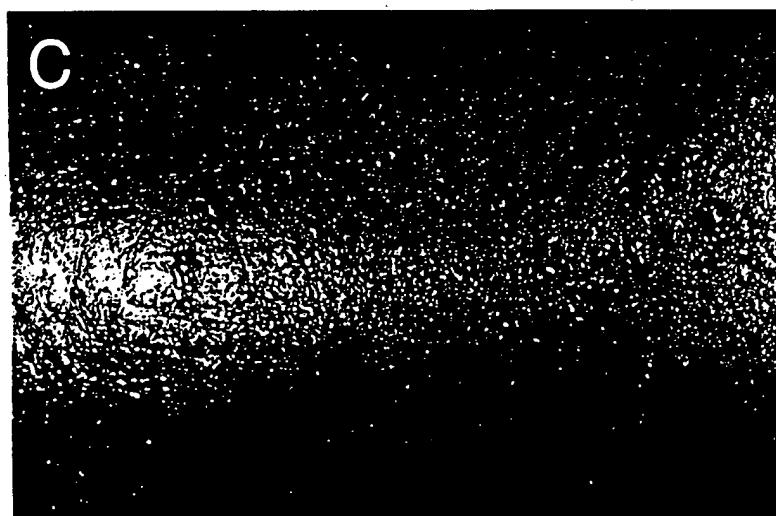
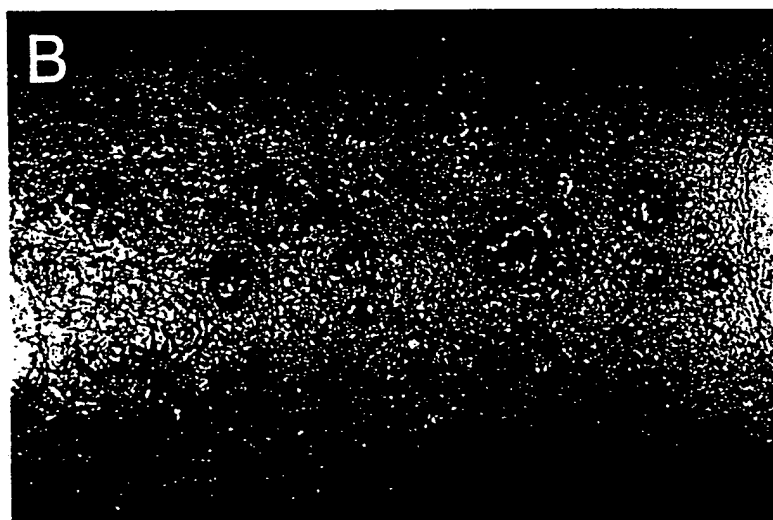
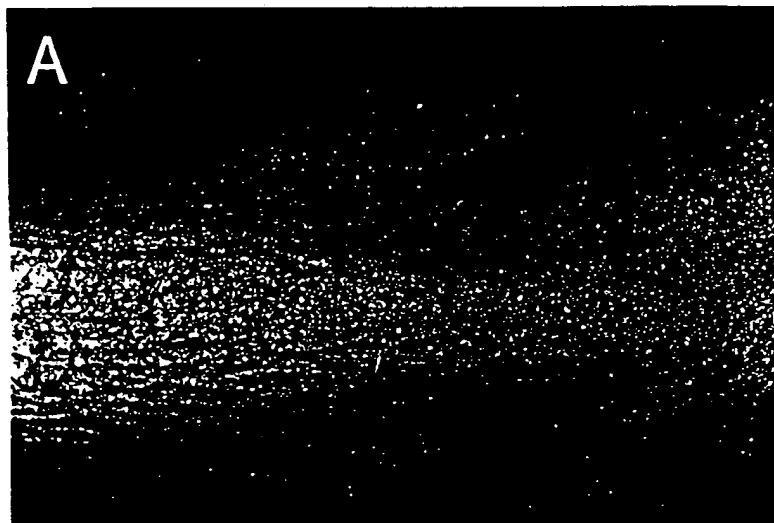


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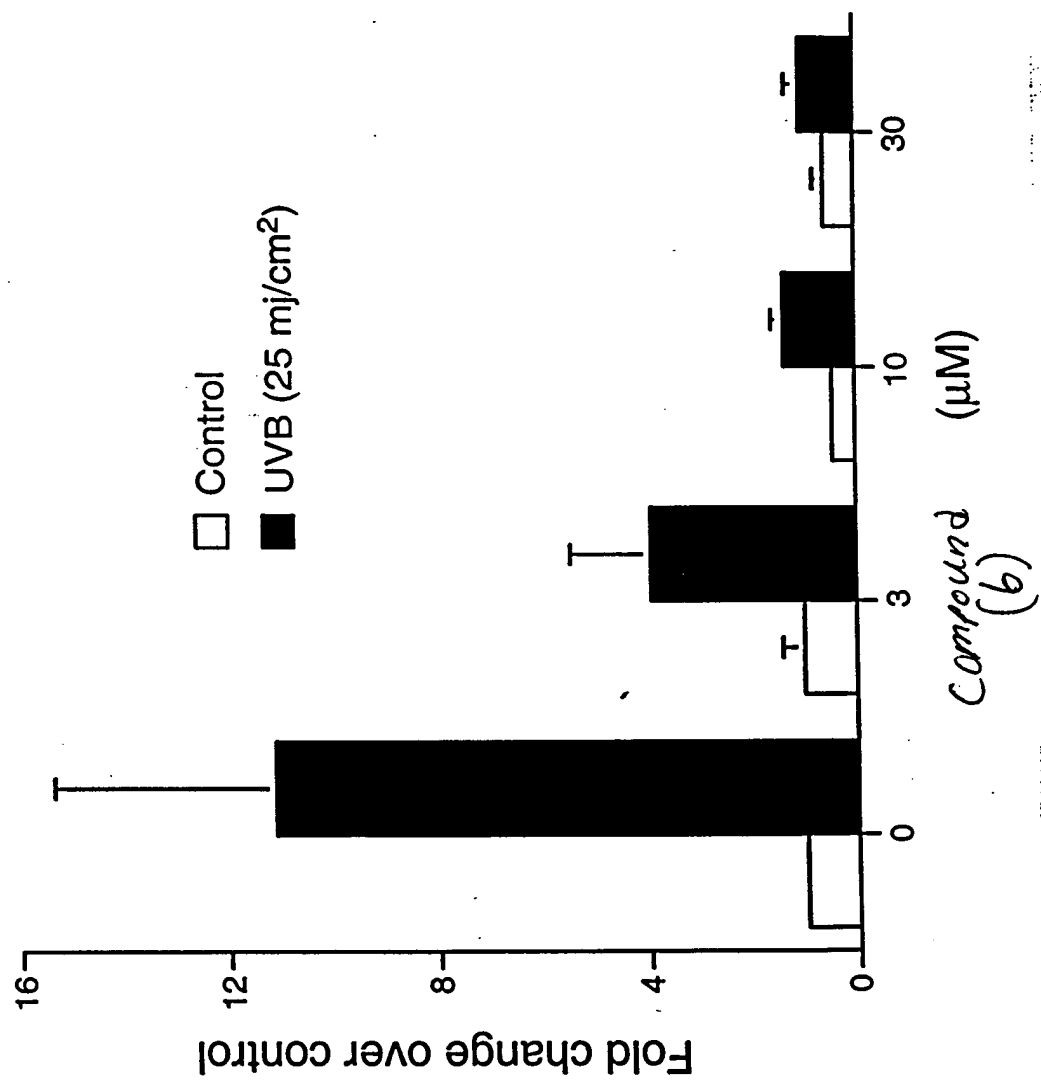
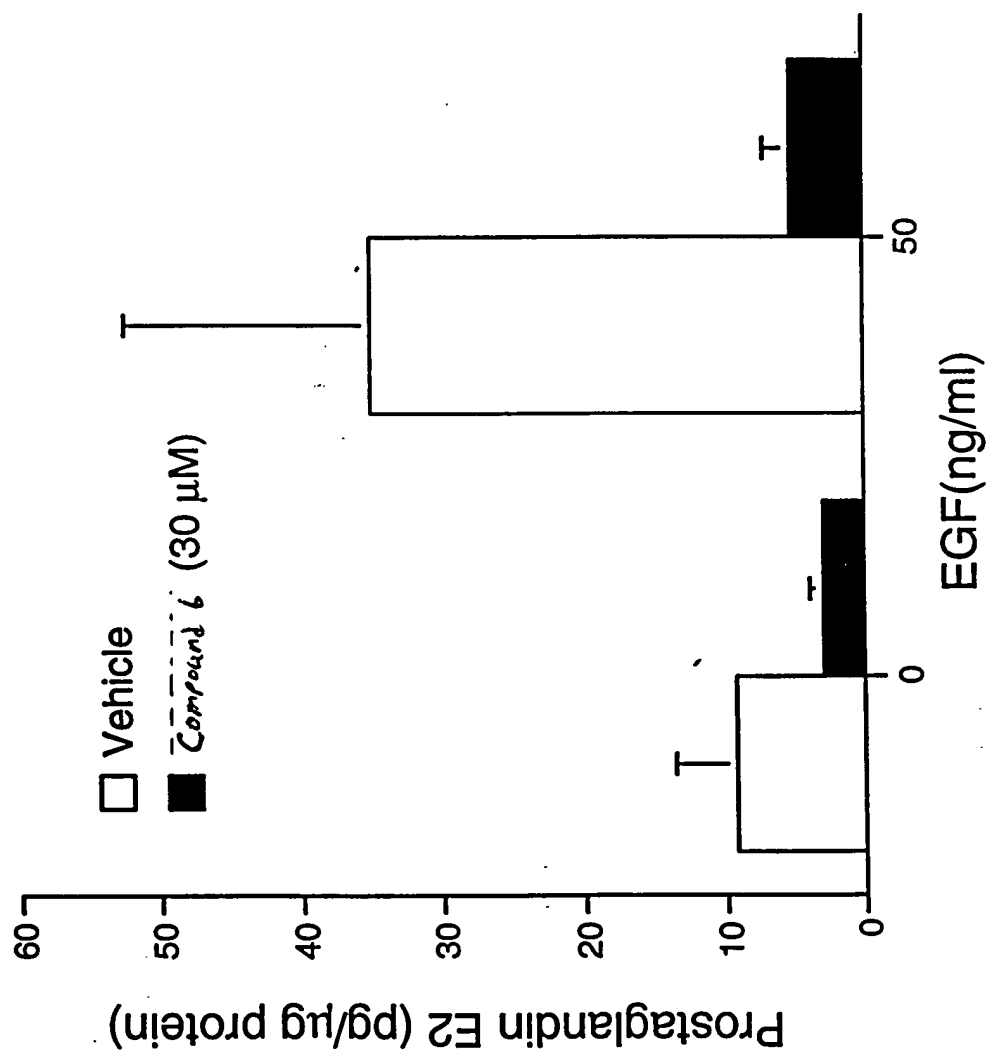
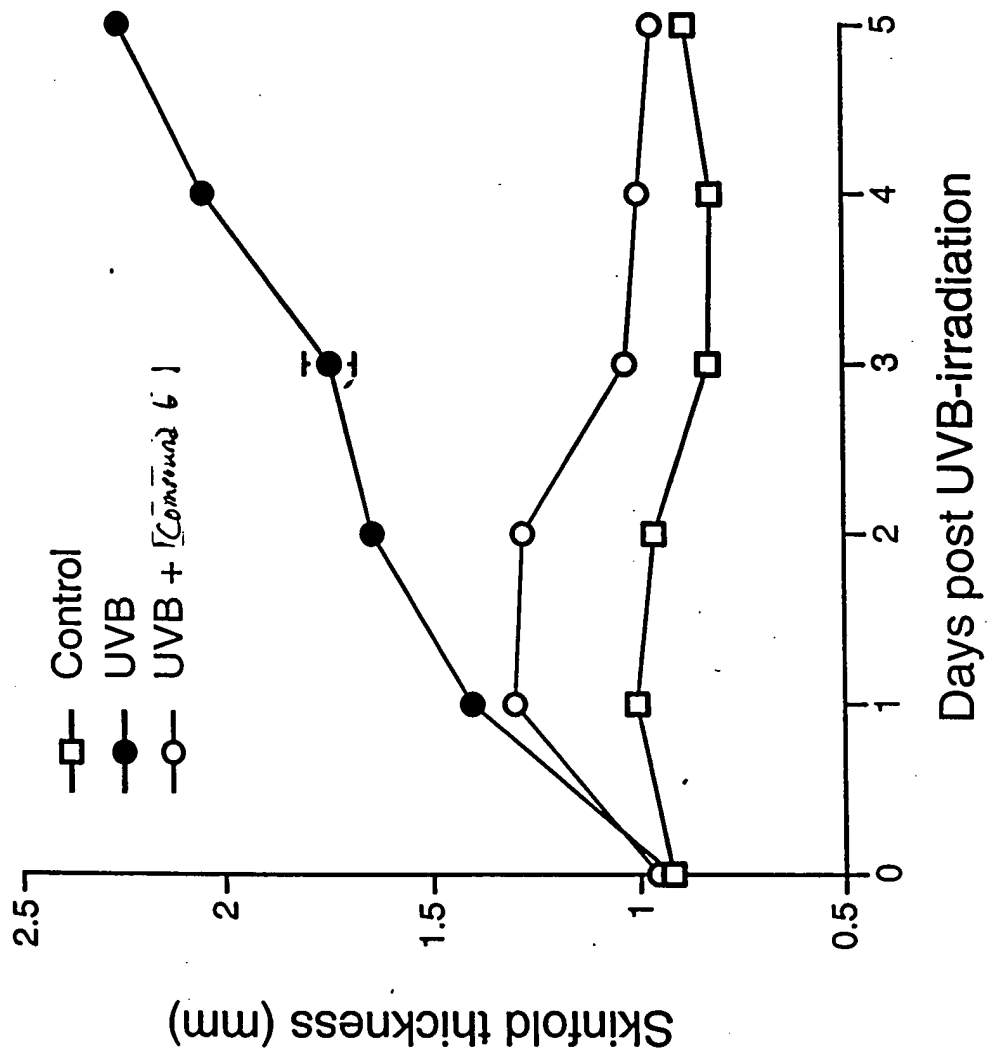
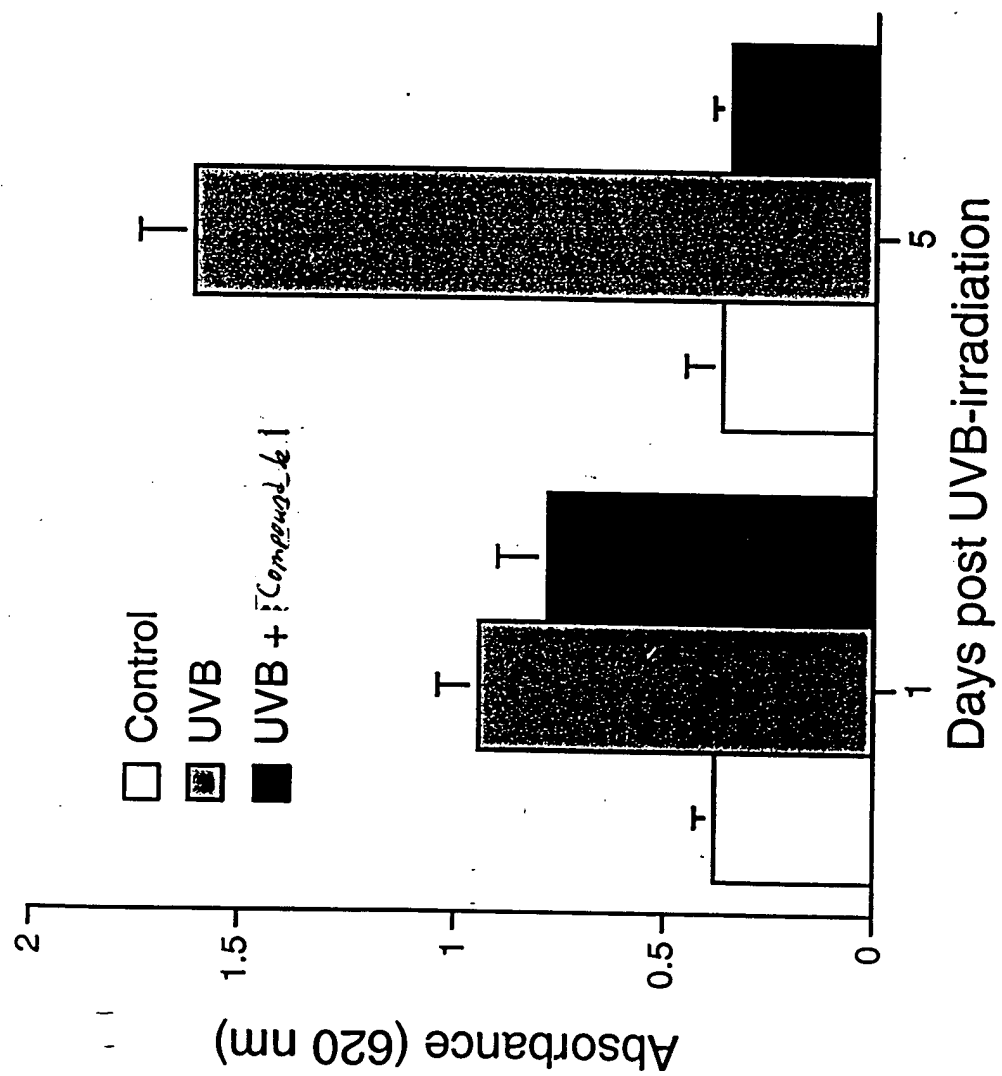


Figure 1





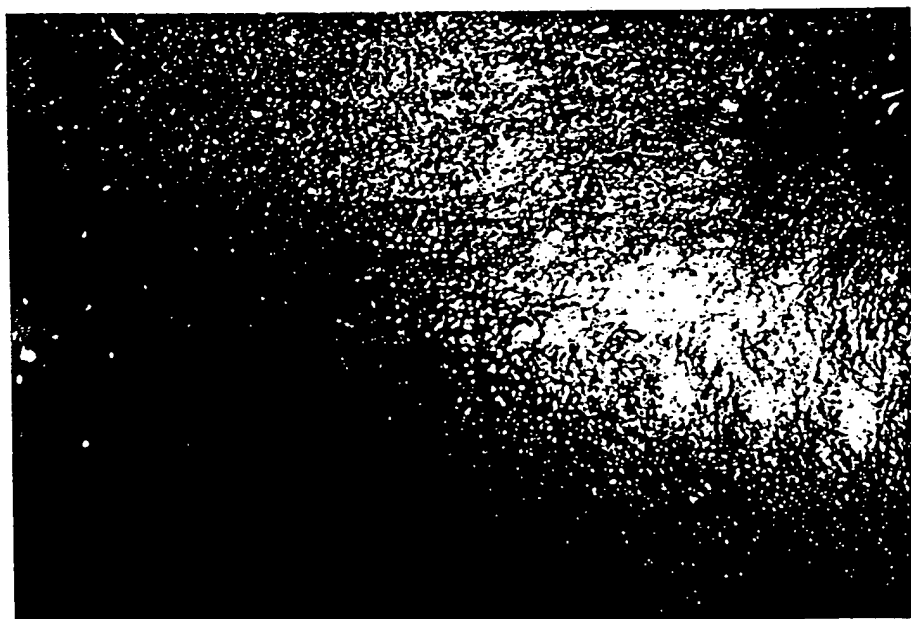




C. DDE9501+UVE



B. UVB



A. Control



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Control

UVB

UVB + DDE9501

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Figure 21

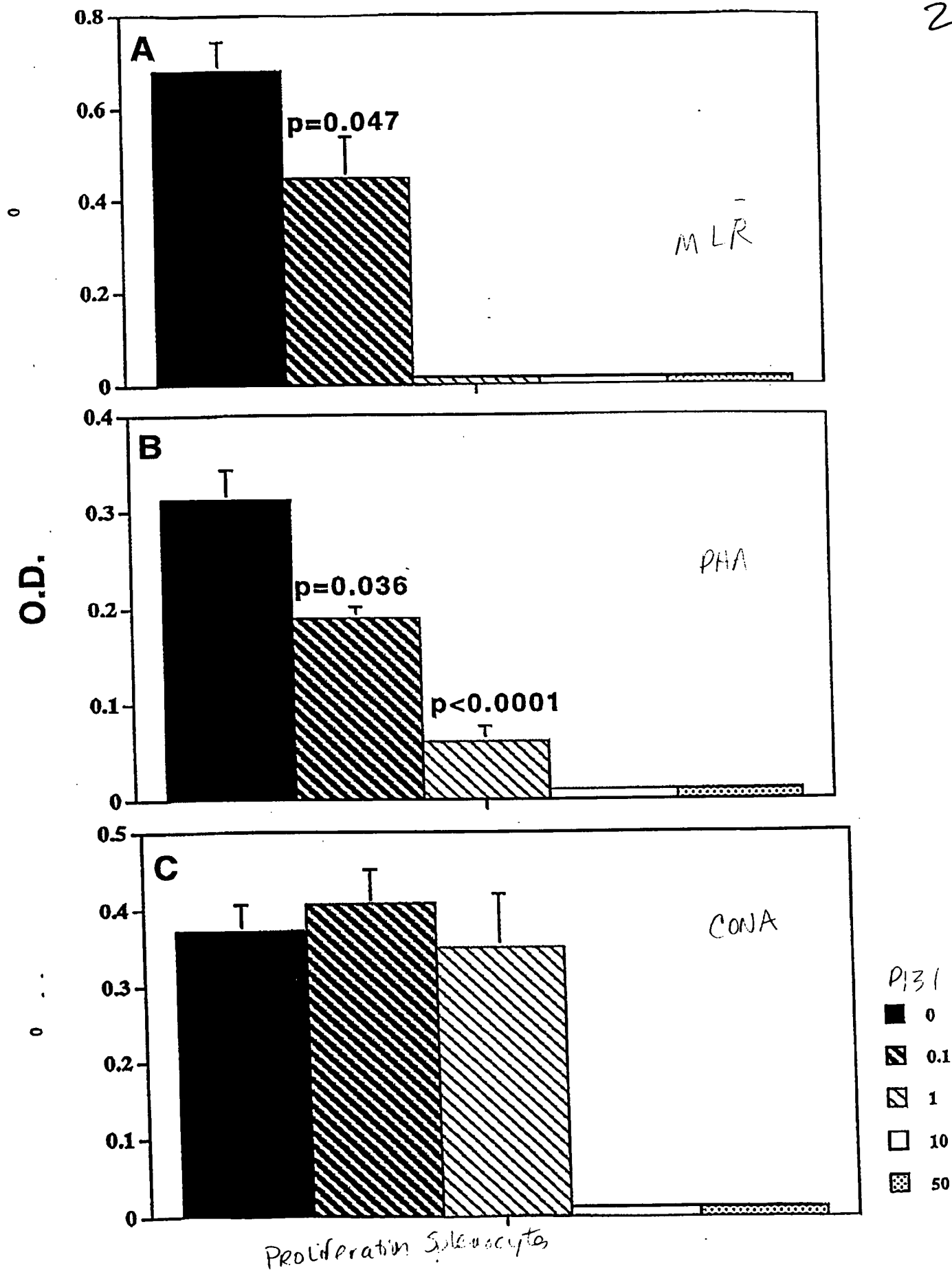
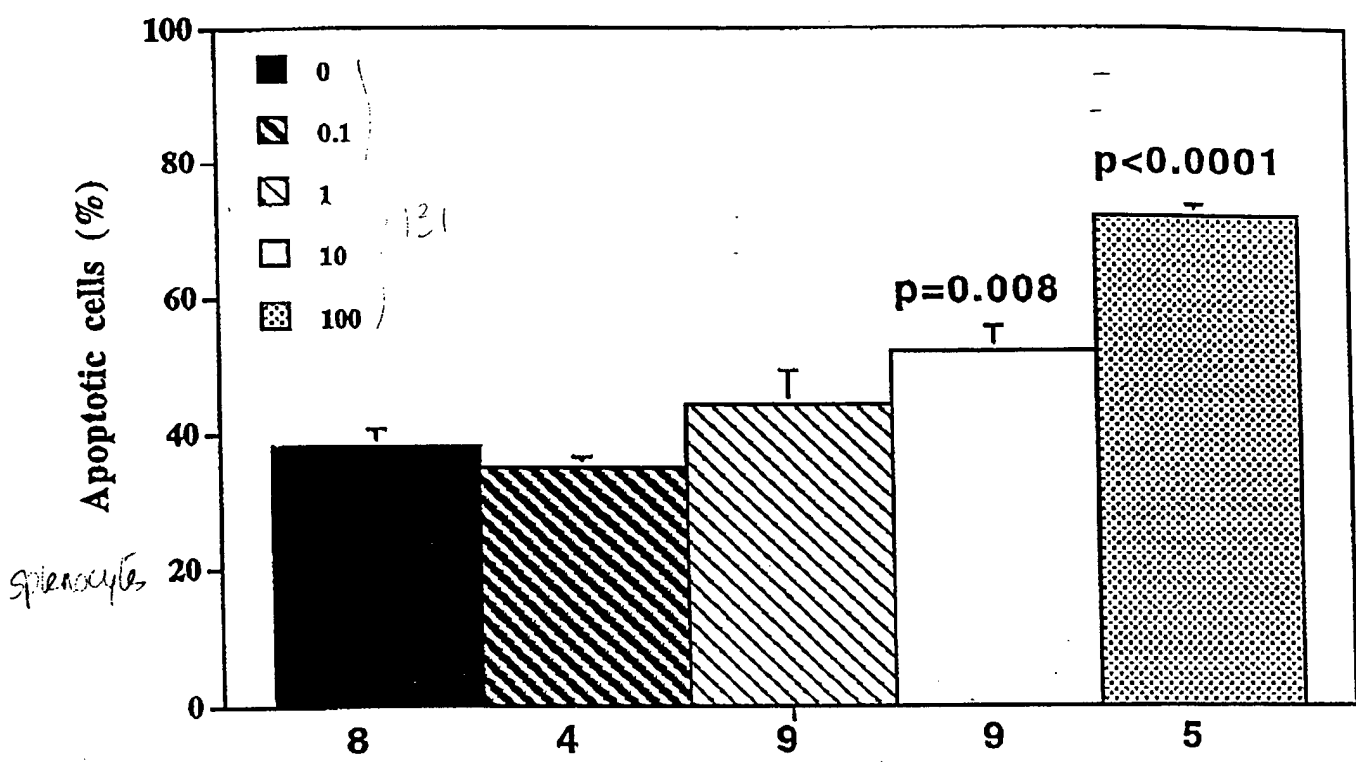
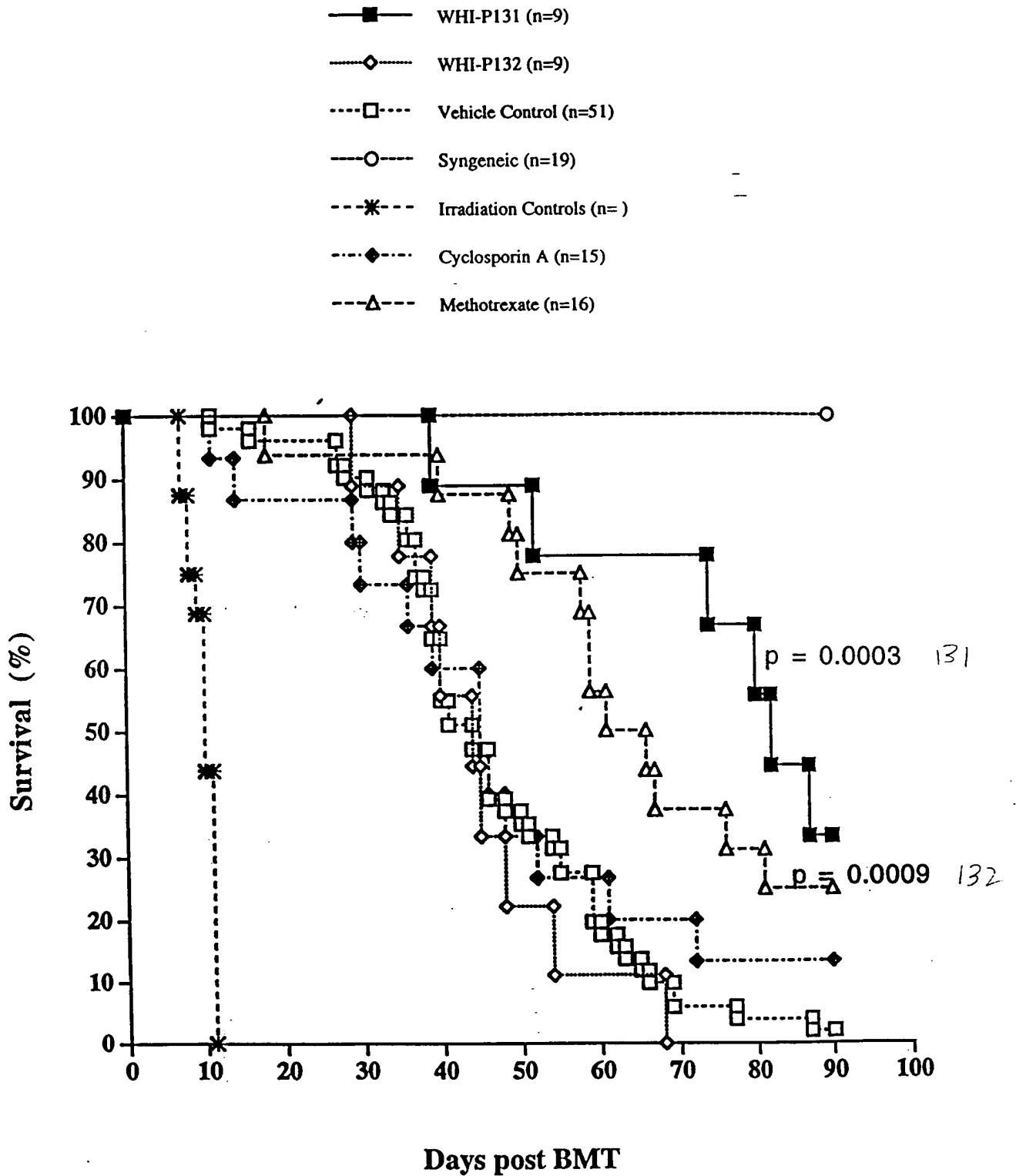


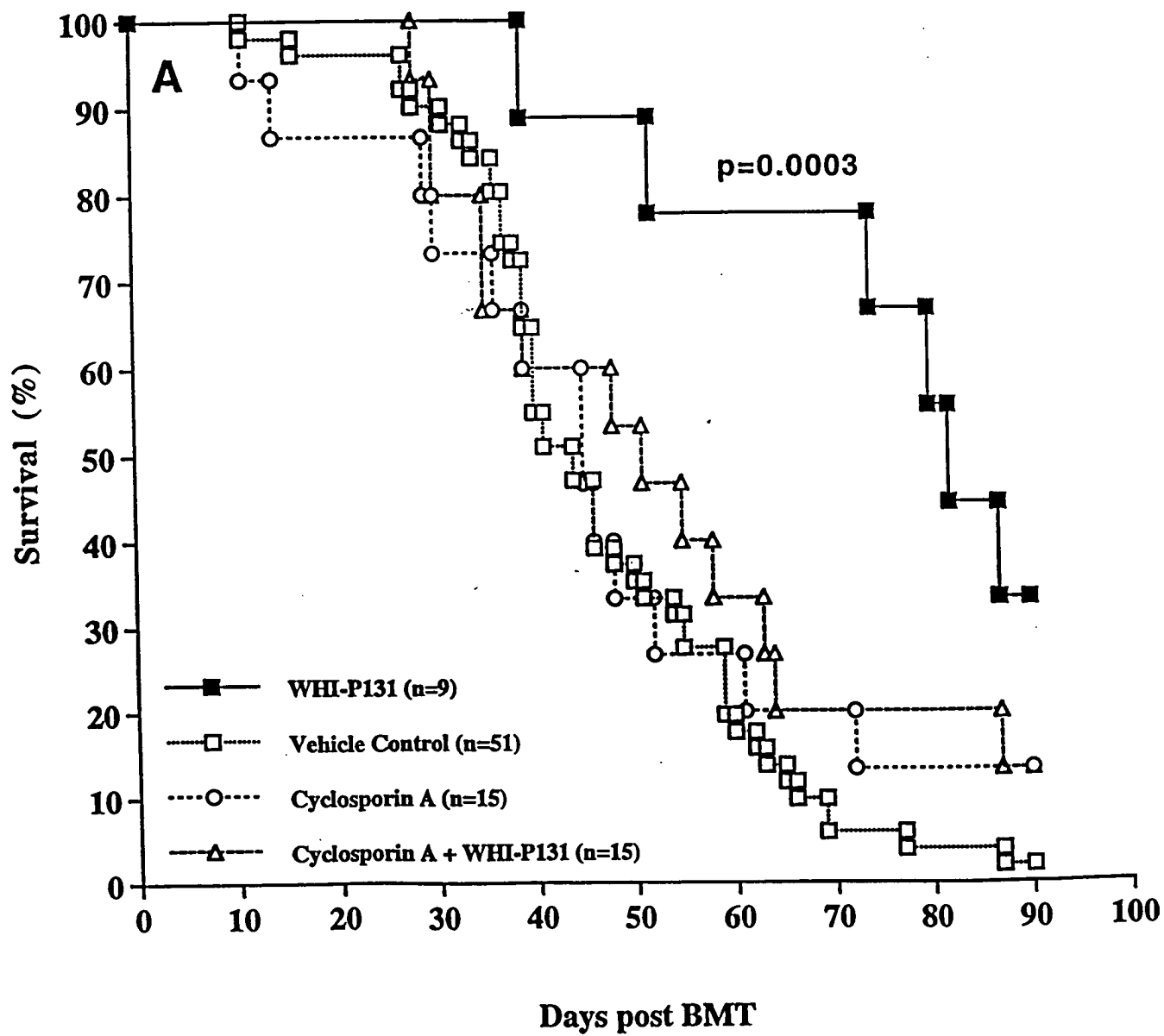
Figure 2

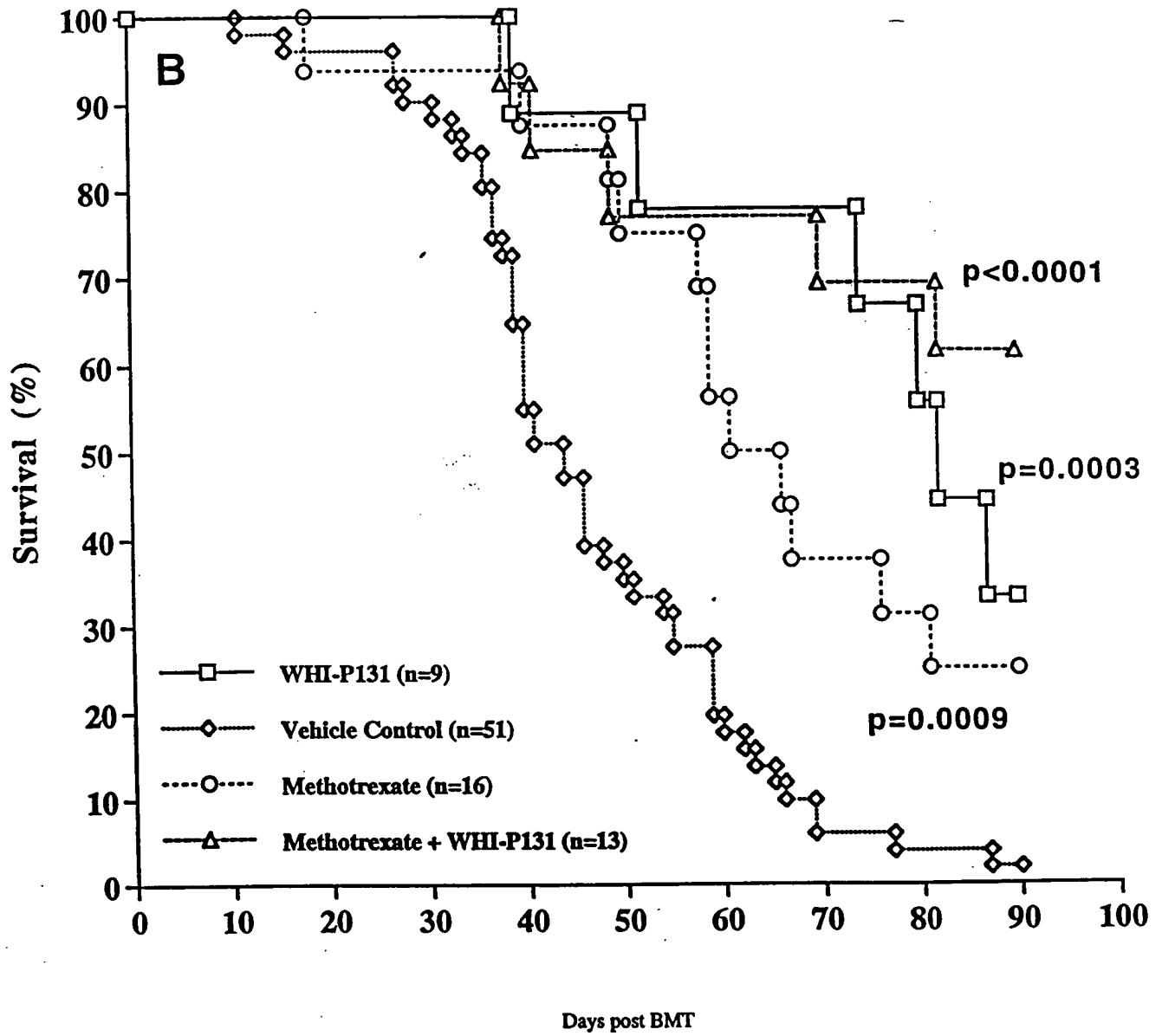


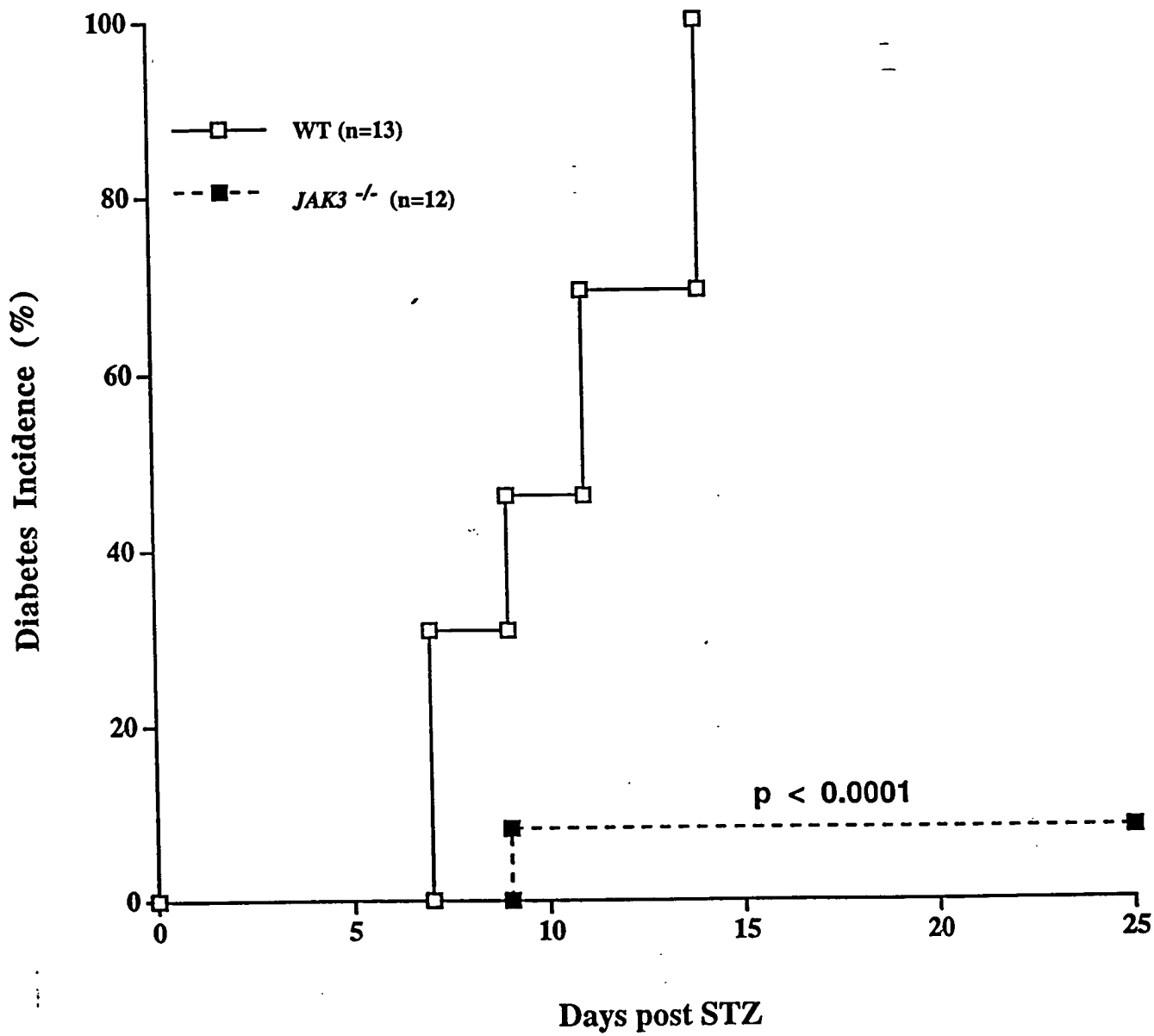
PI31 promotes apoptosis in splenocytes



131, 132 ↑ survival







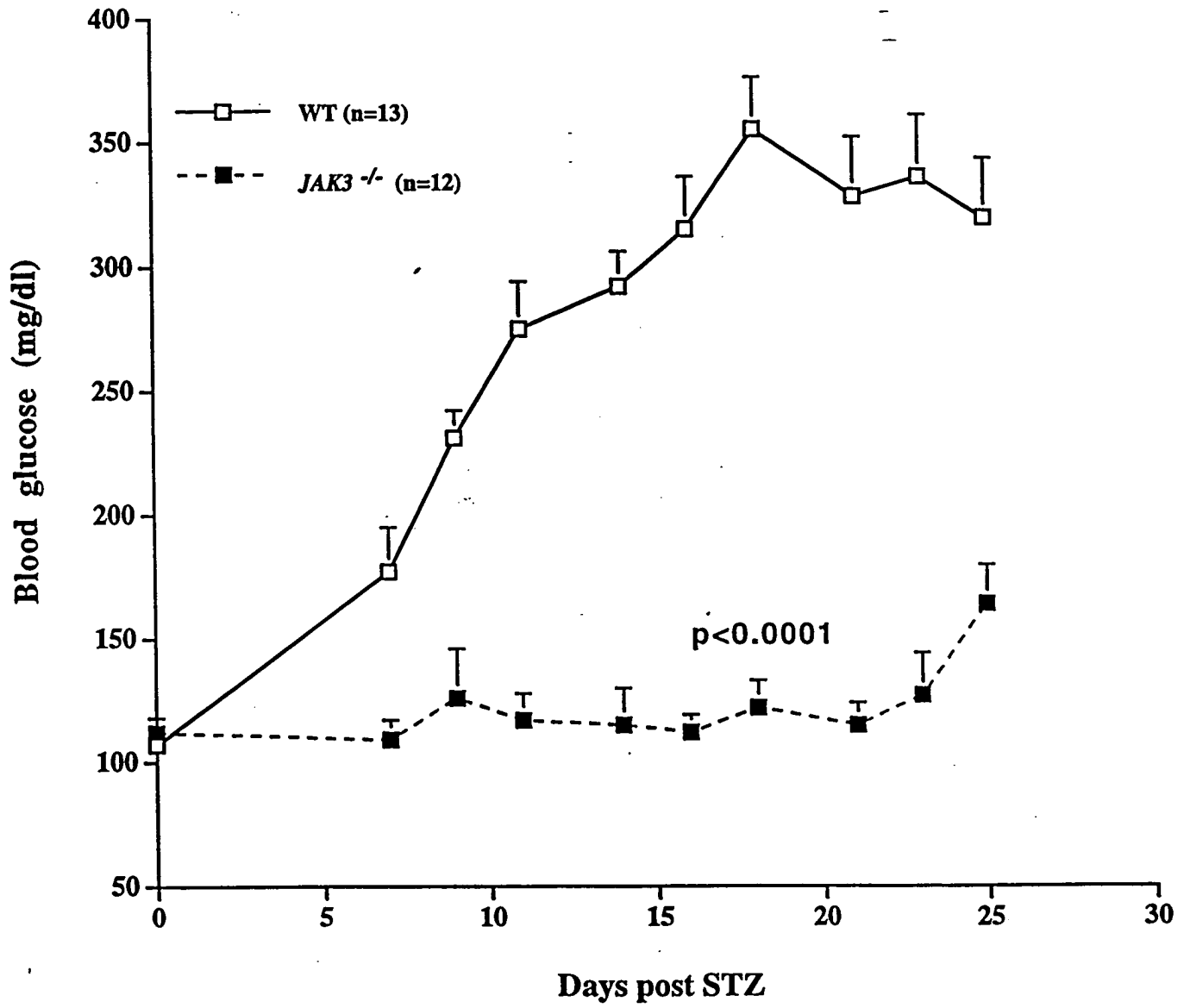


Figure 29

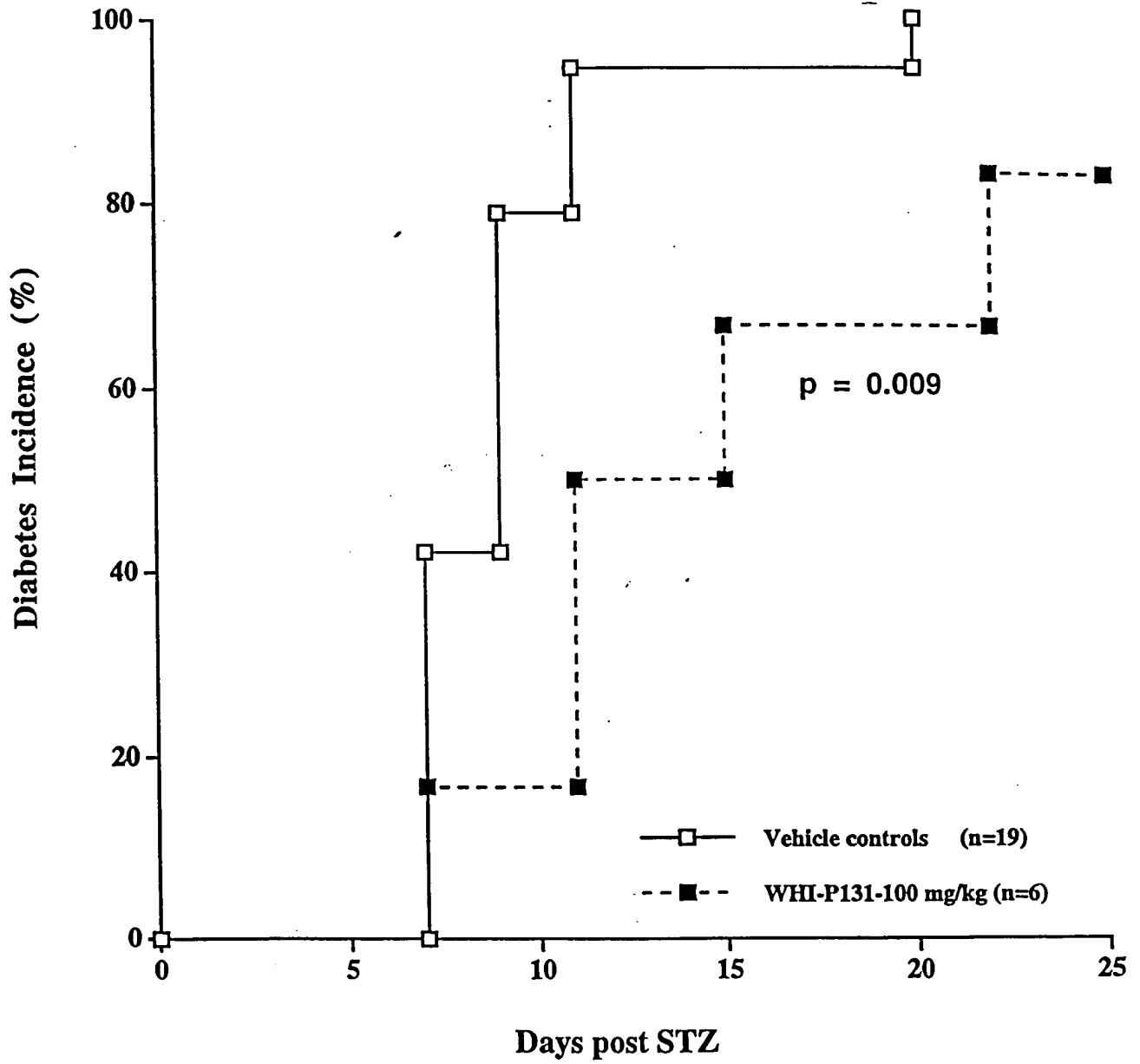


Figure 50

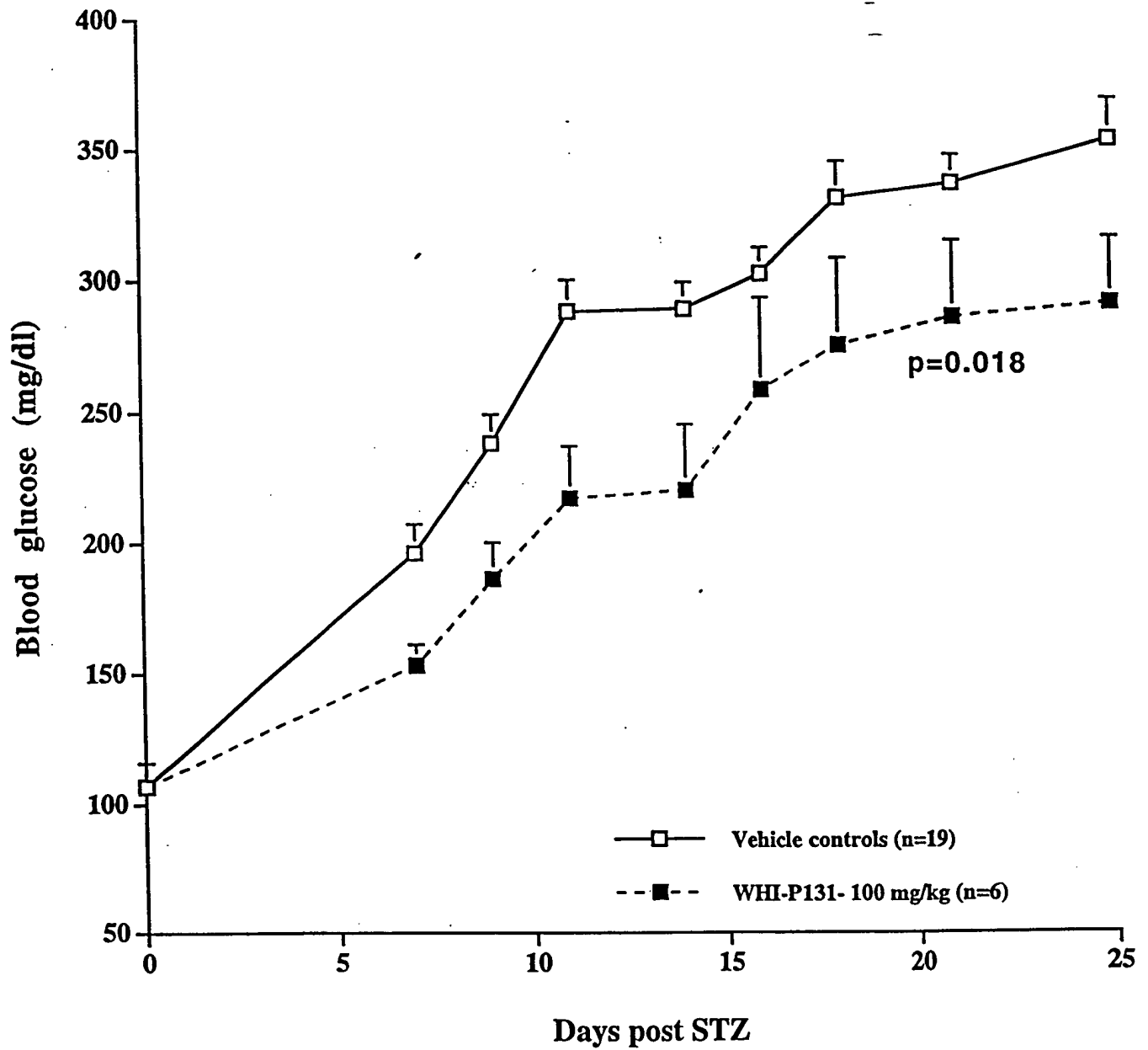


Figure 31

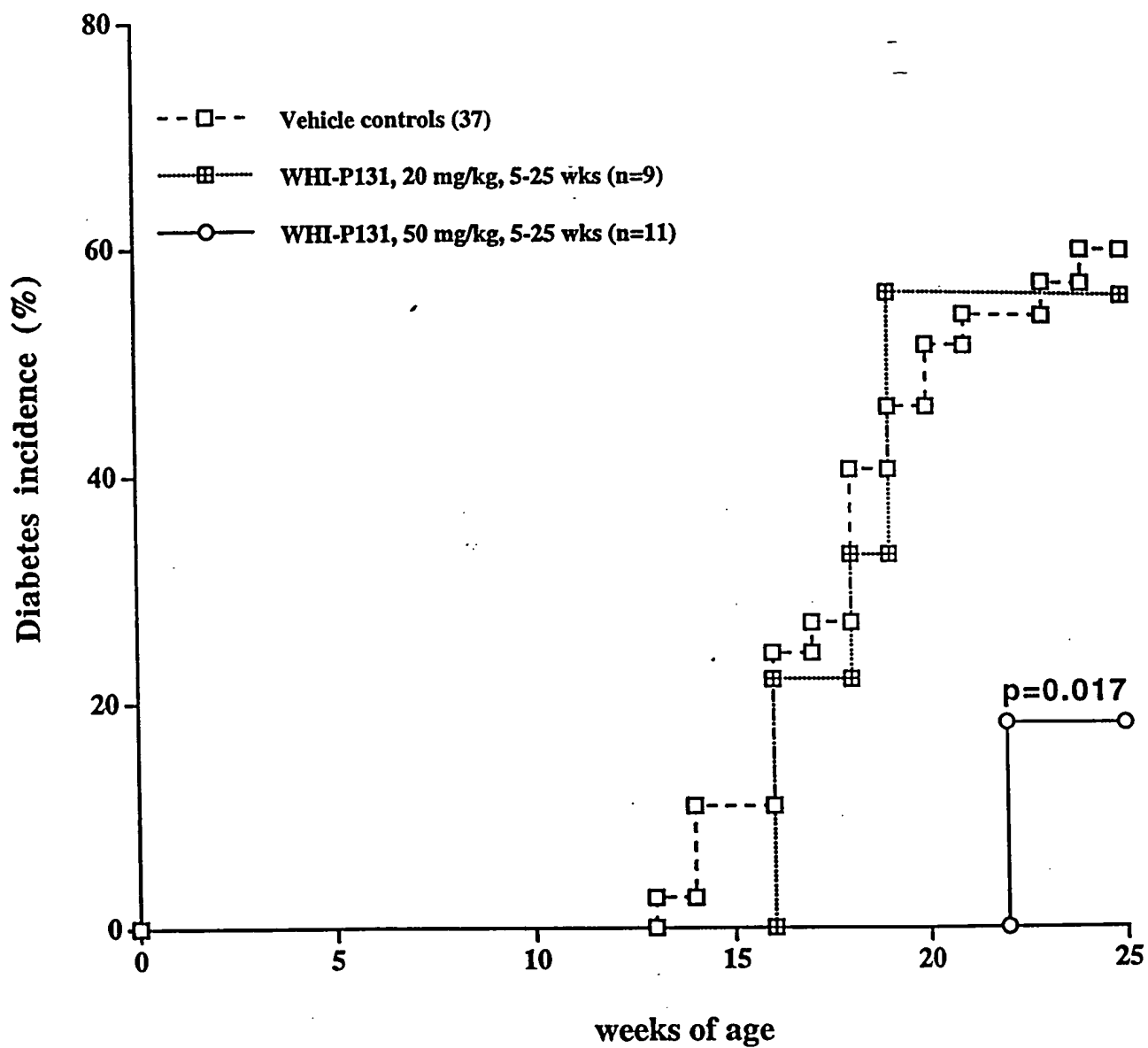


Figure 32

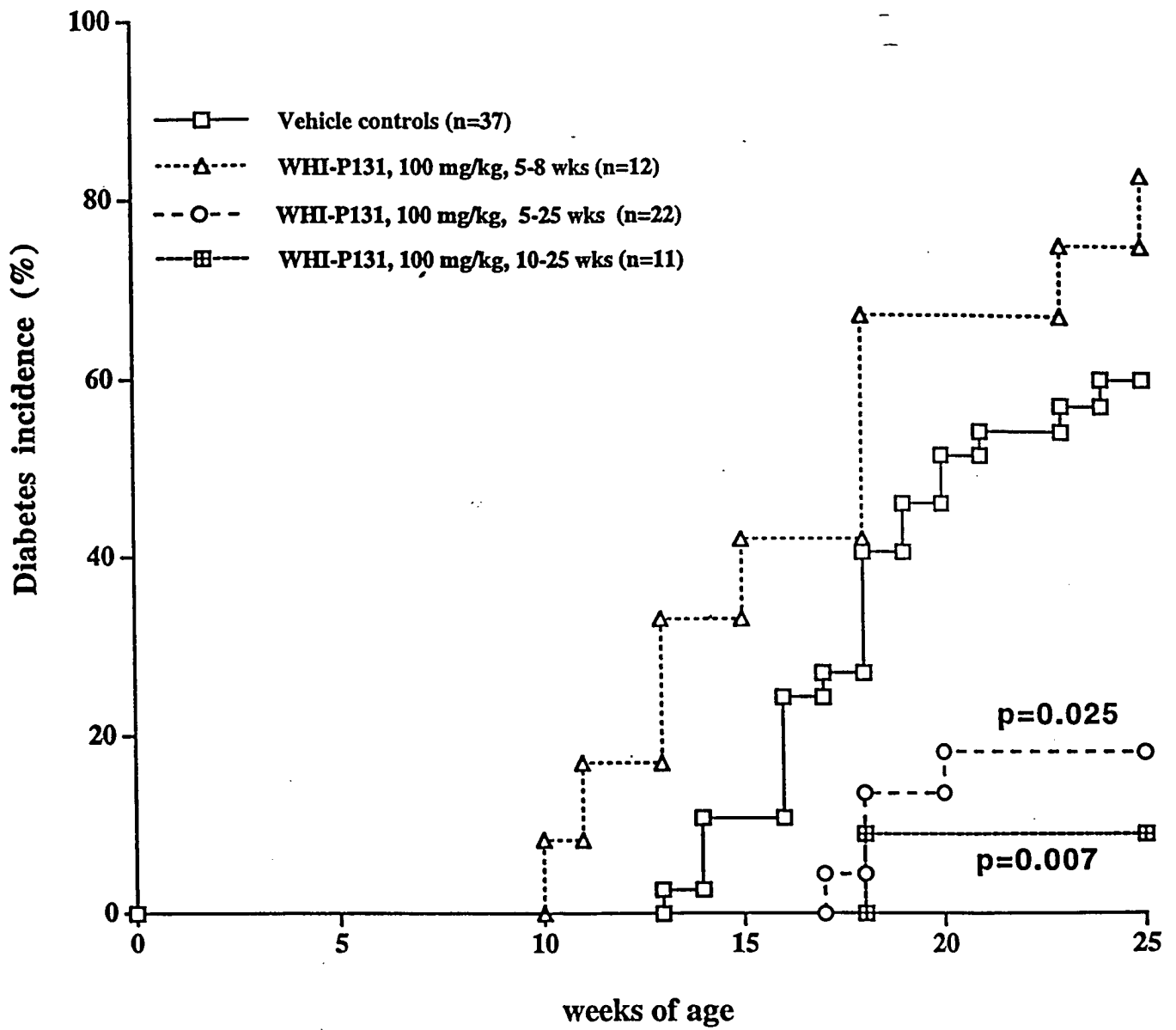


Figure 33

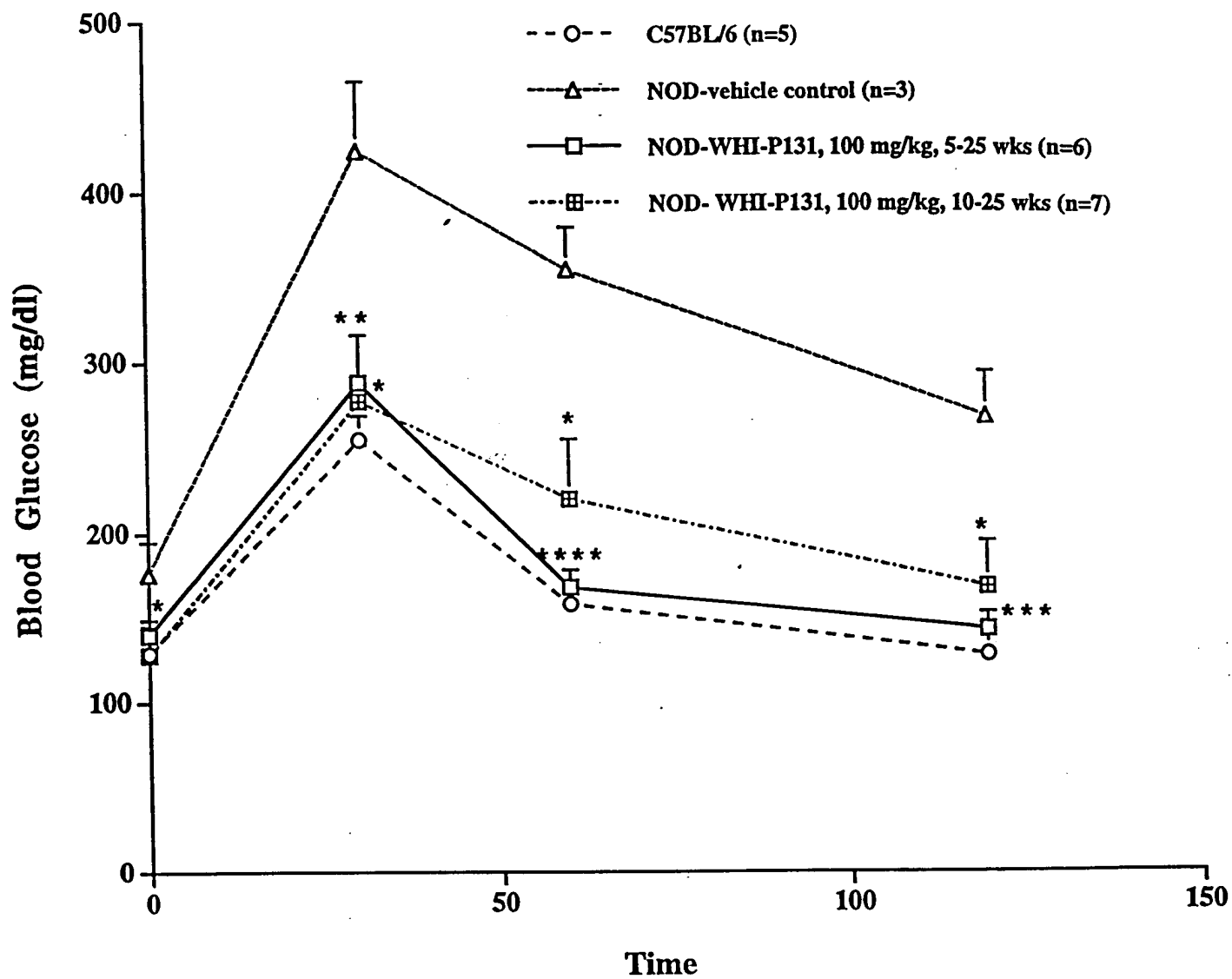


Figure 21

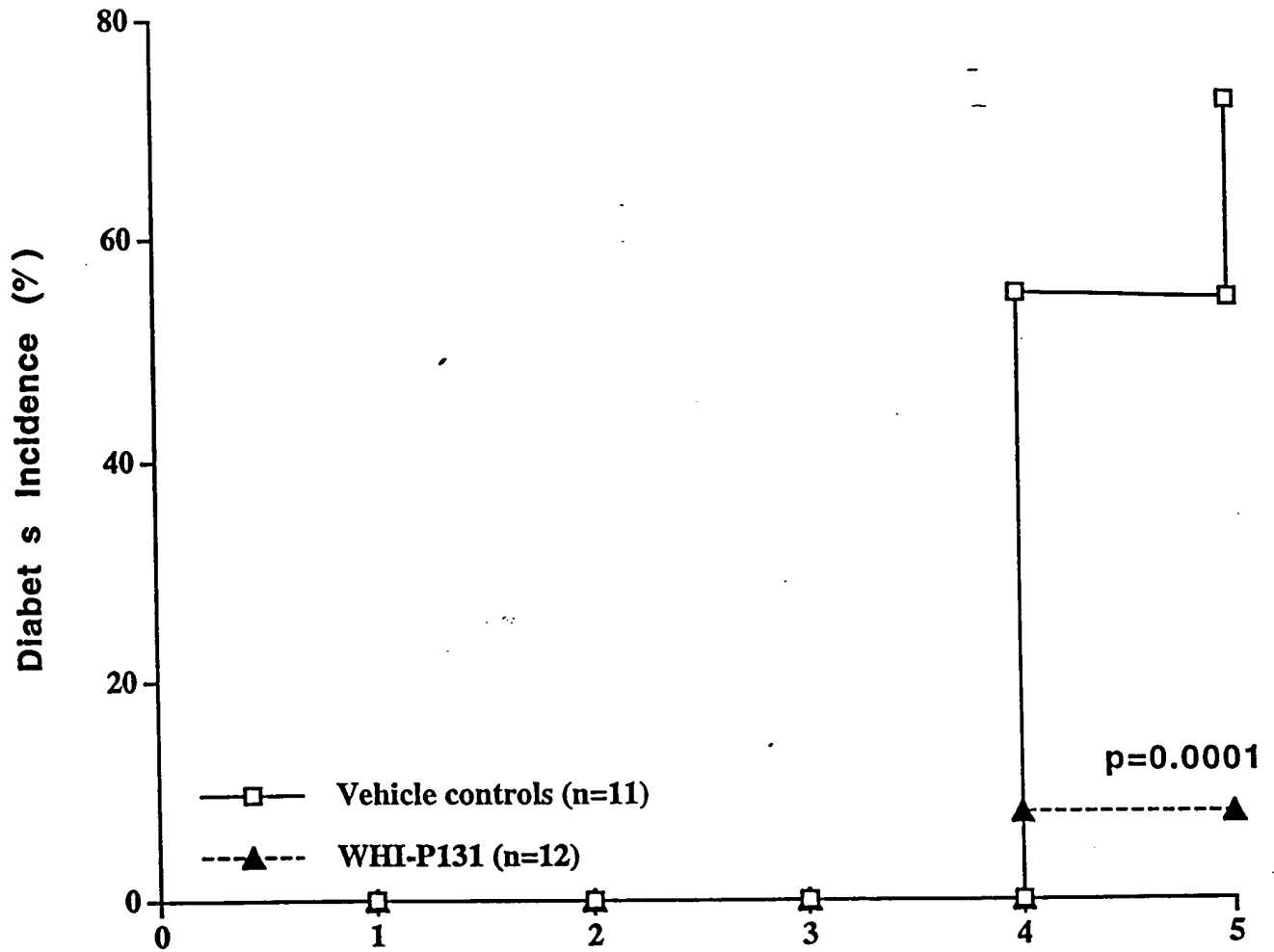


Figure 35

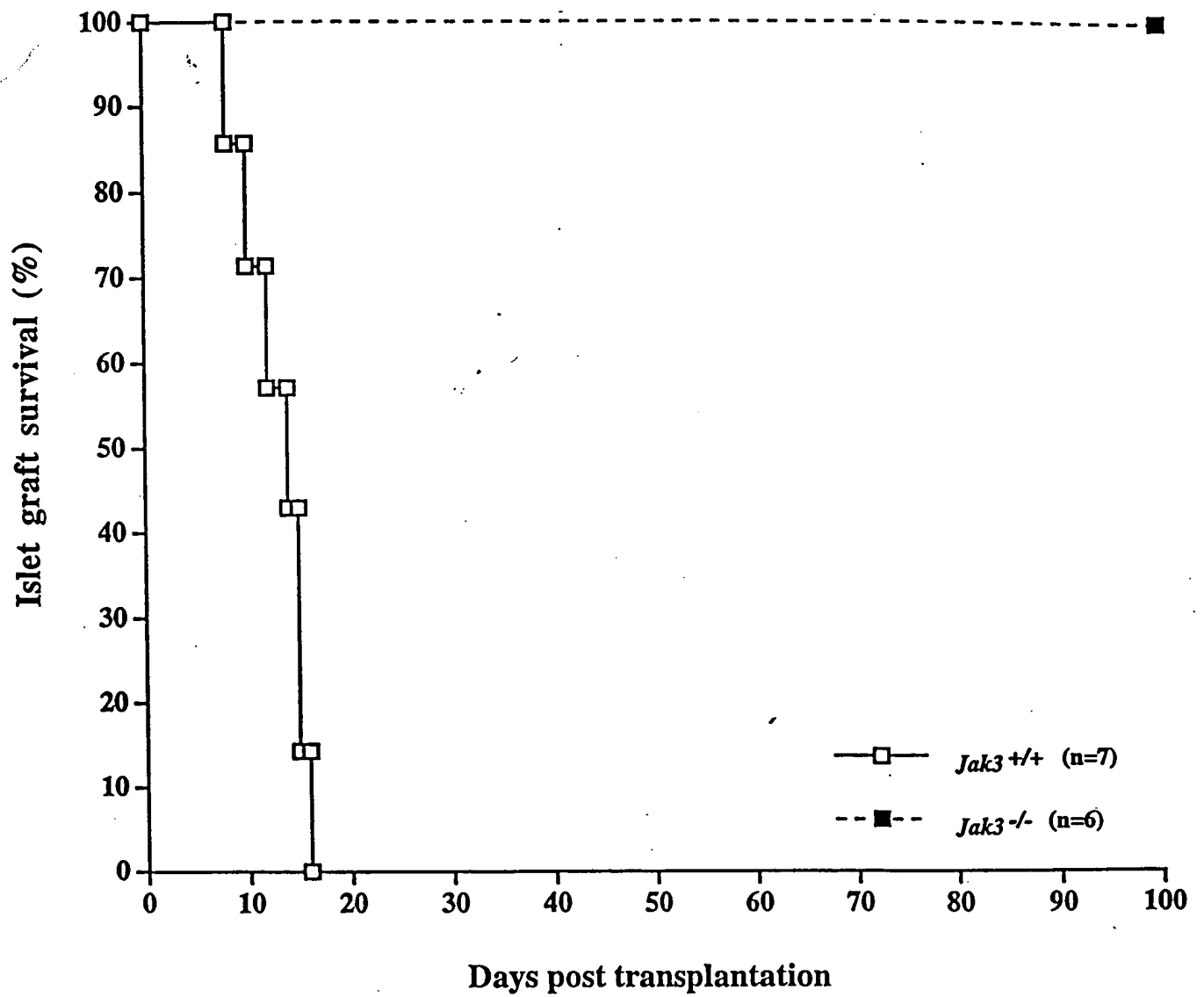


Figure 36

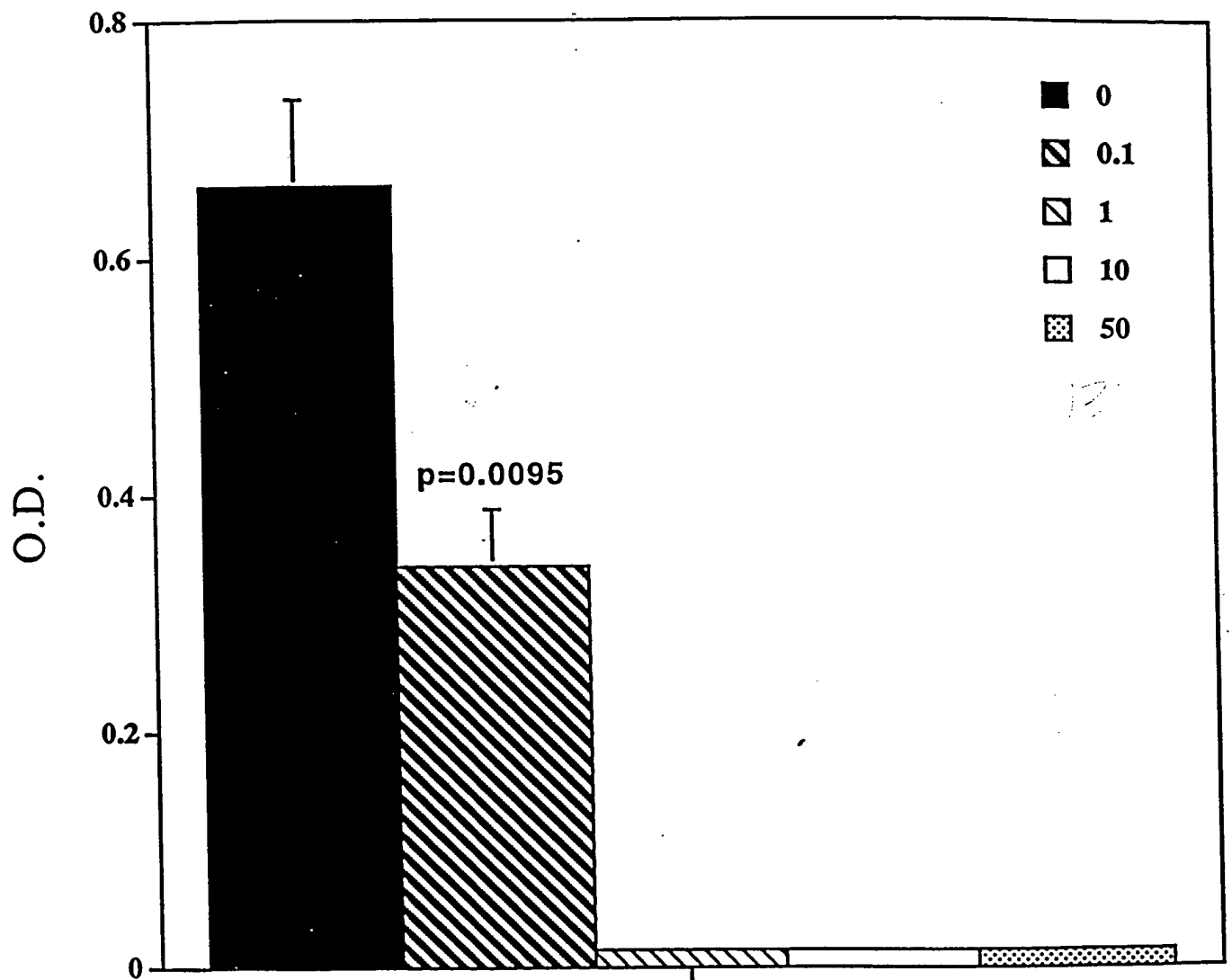
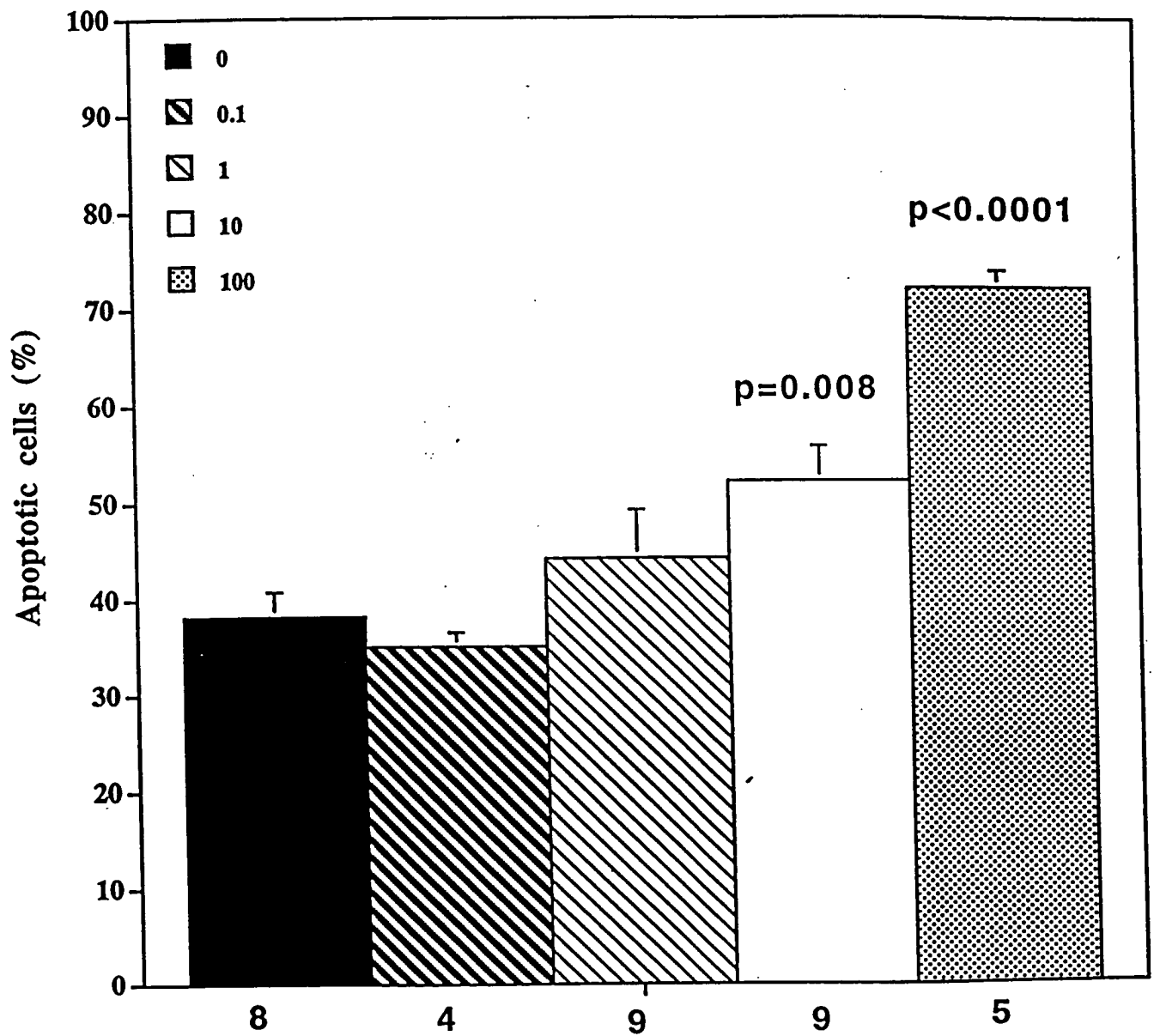


Figure 31



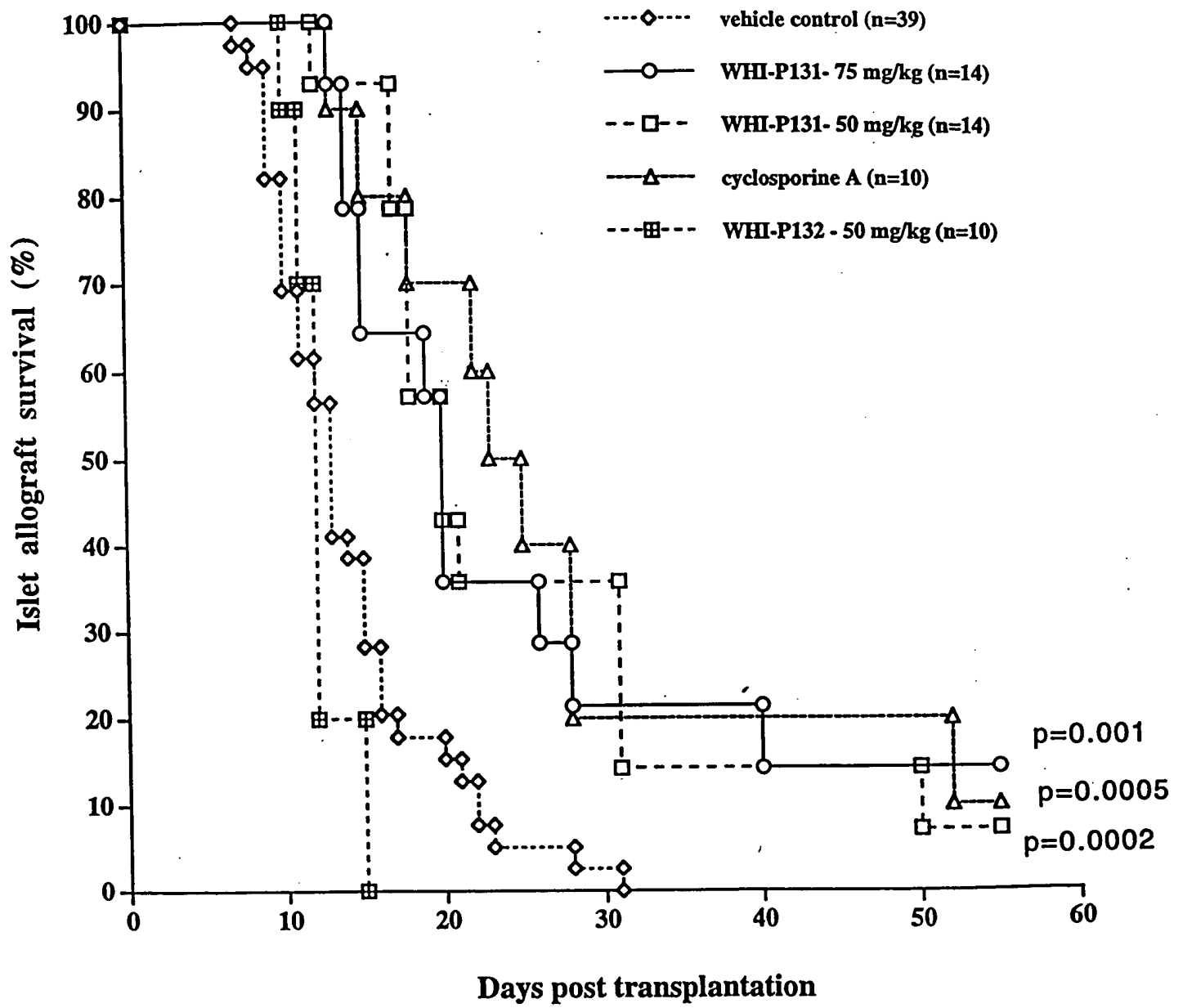


Figure 39

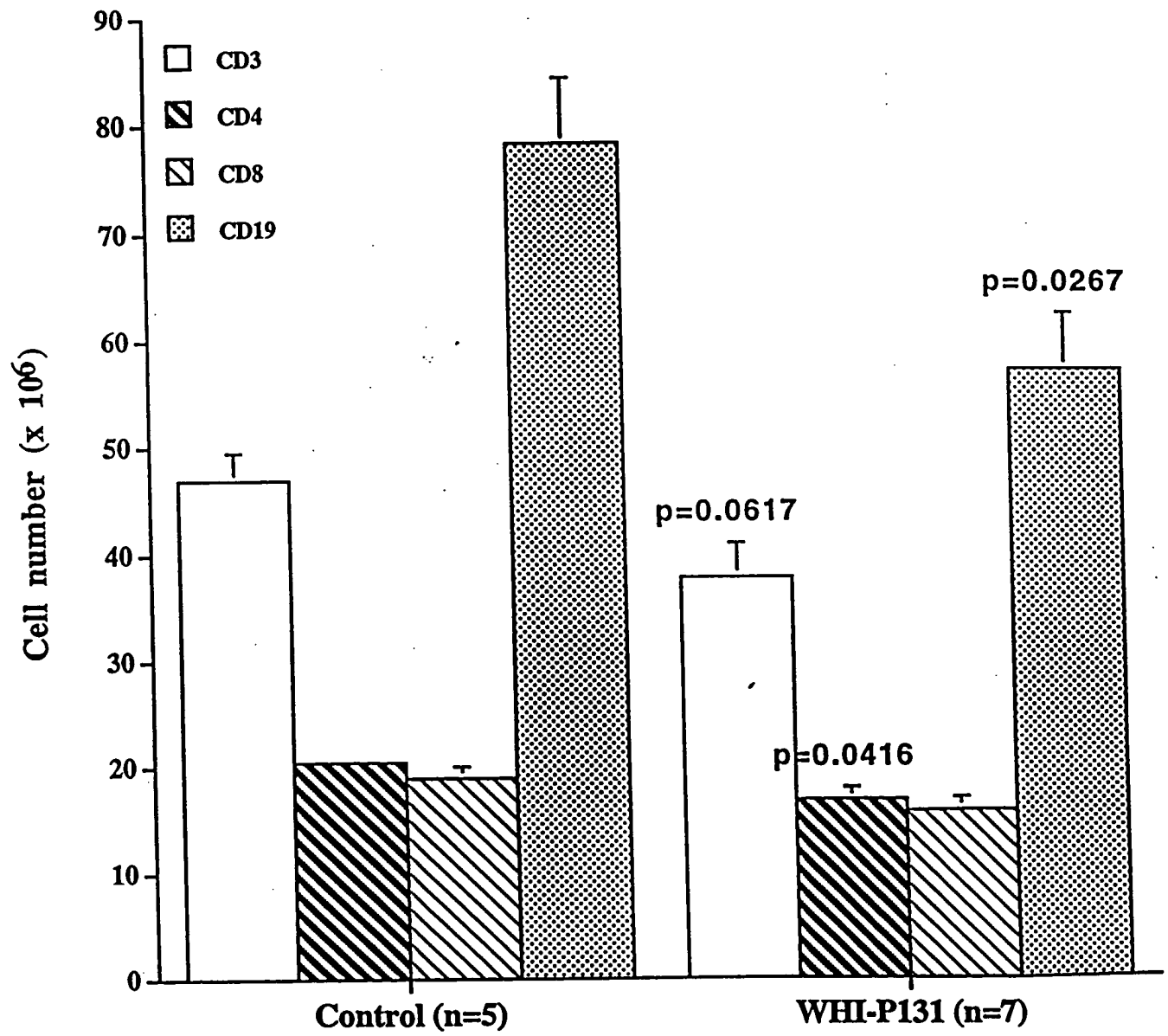
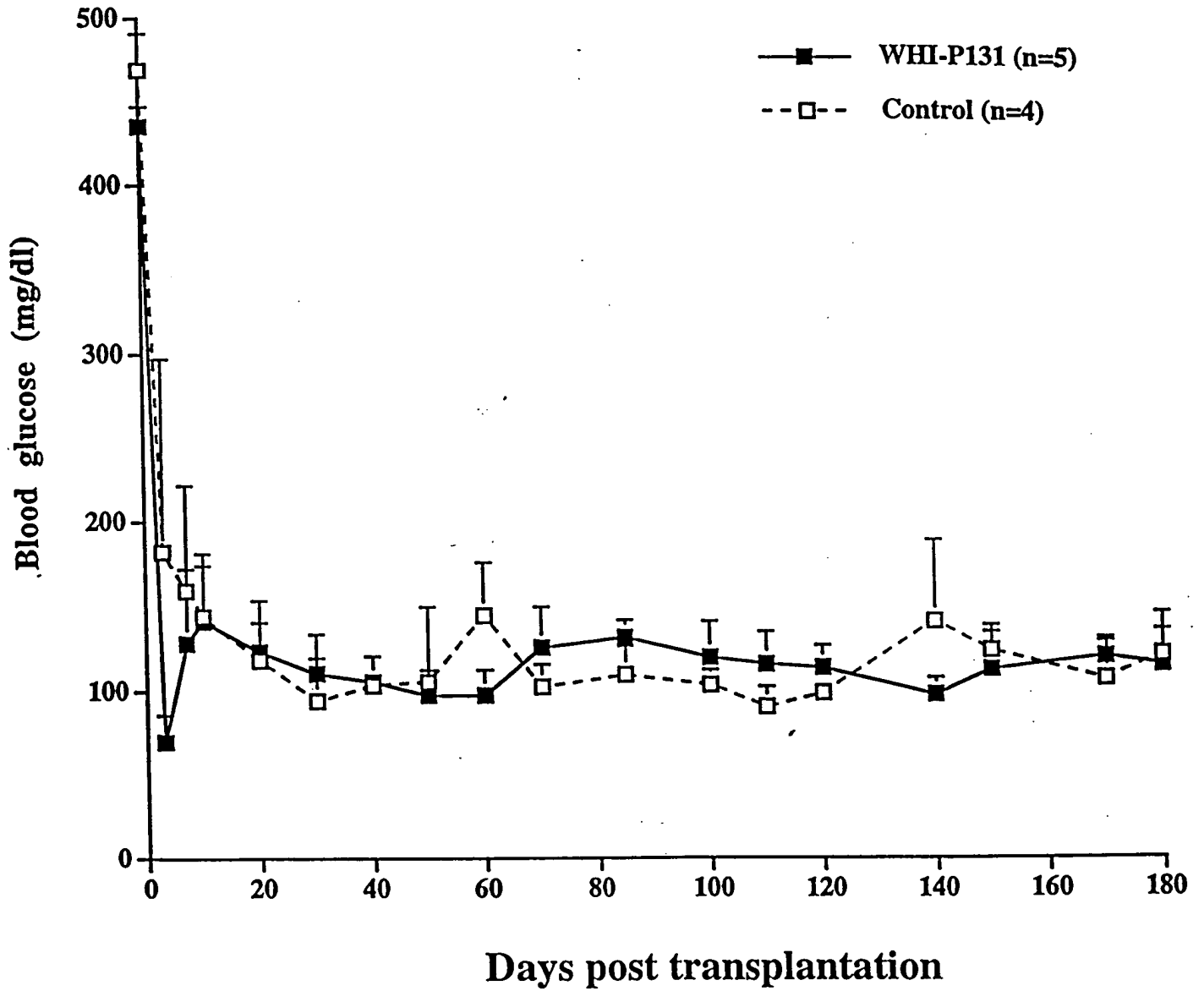
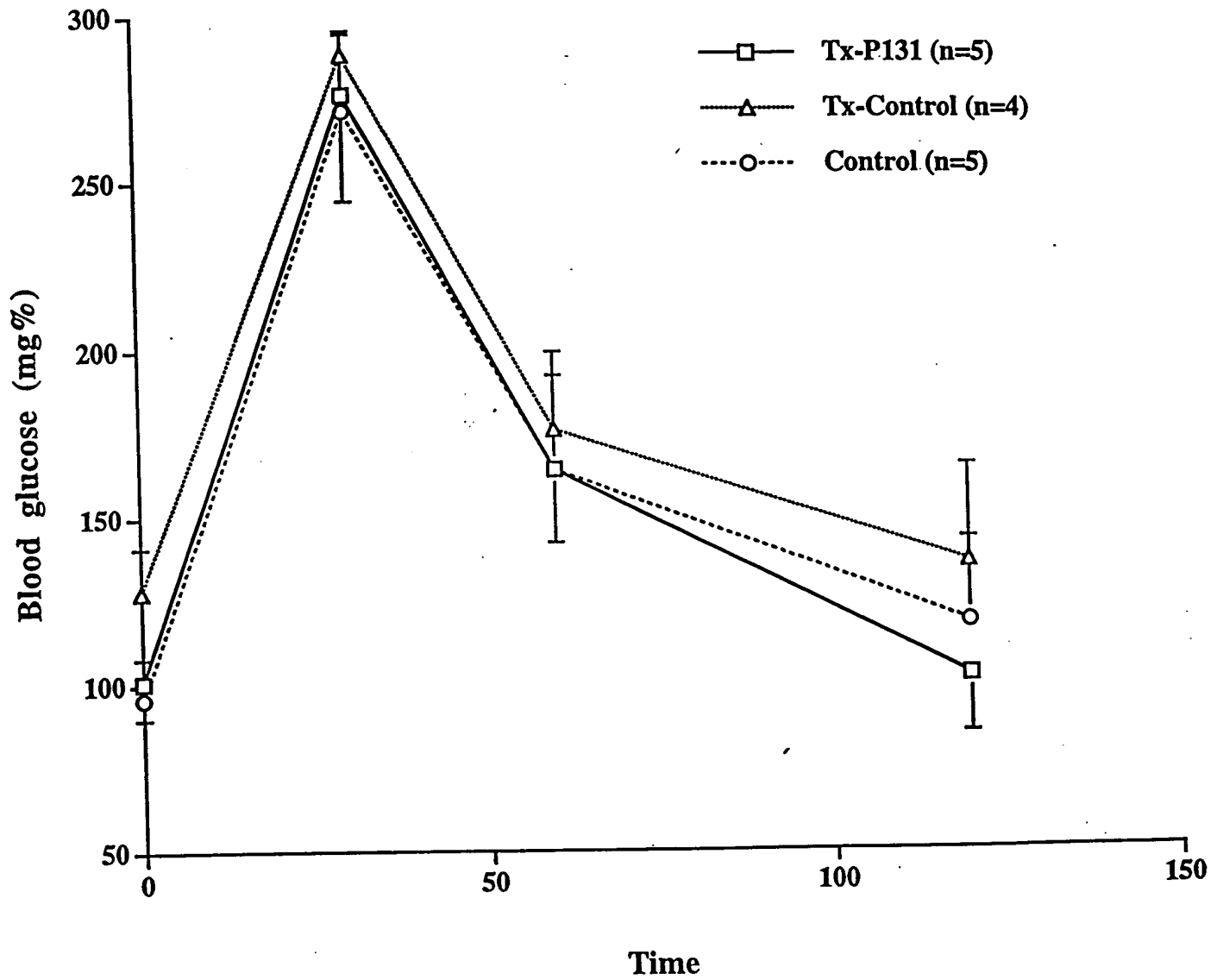
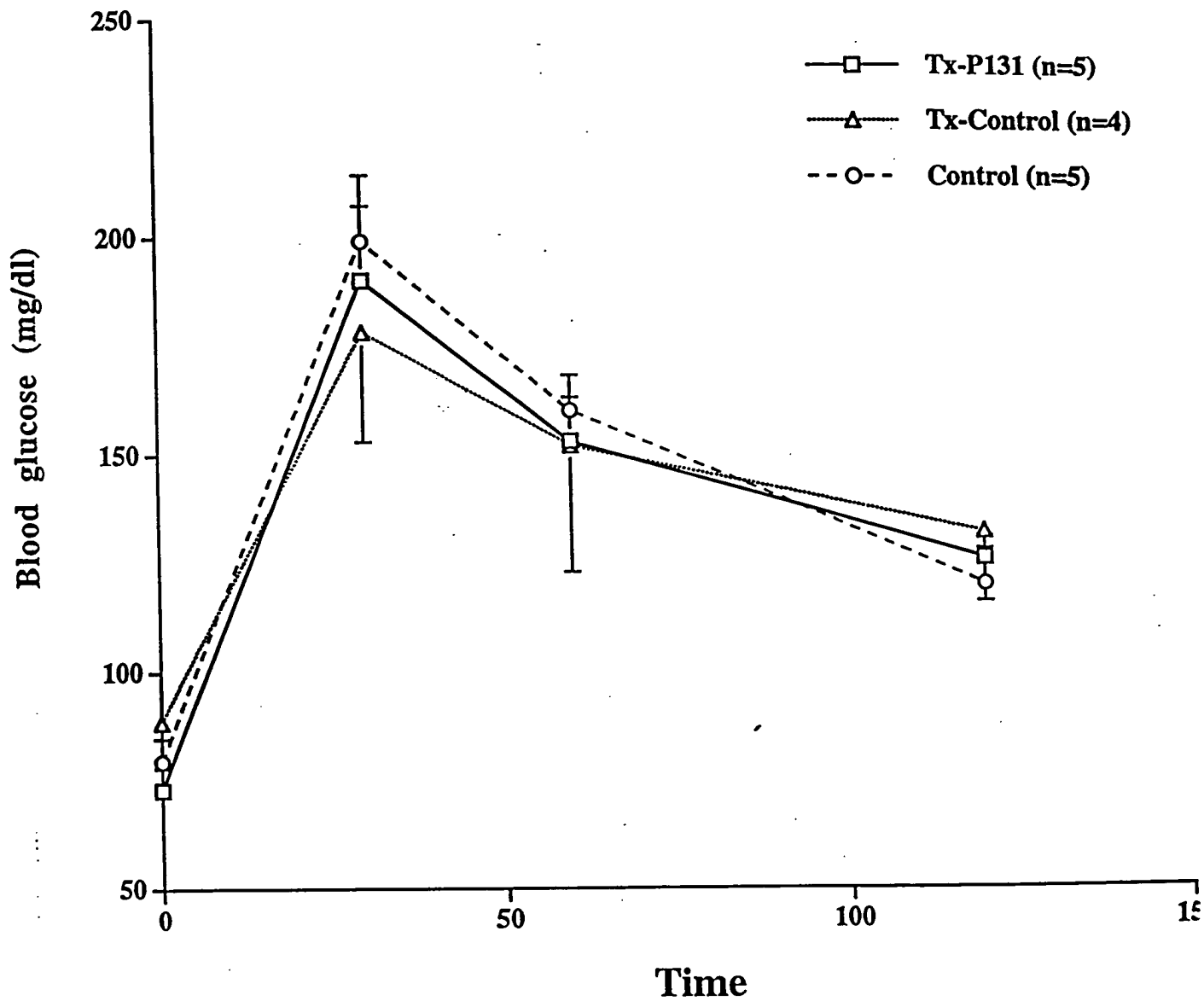


Figure 40





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